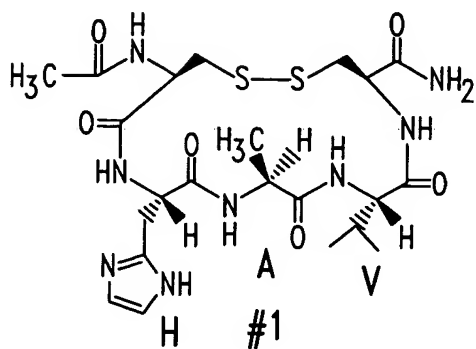


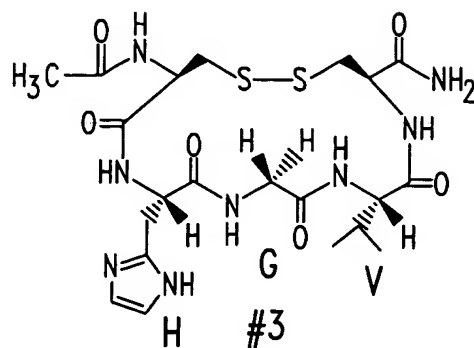
*Fig. 1*

human N-cad	DWVIPPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPGADQPPTGIFILNPISGQLSVTKPLDREQ
mouse N-cad	DWVIPPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPGADQPPTGIFINPISGQLSVTKPLDREL
cow N-cad	DWVIPPINLPENSRGPFQELVRIRSDRDKNLSLRYSVTGPGADQPPTGIFINPISGQLSVTKPLDREL
human P-cad	DWVAPISVPENGKGFPPQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKETGWLLLNKPLDREE
mouse P-cad	EWVMPPIFVPENGKGFPPQRLNQLKSNKDRGTKIFYSITGPGADSPPEGVFTIEKESGWLLHMPDLREK
human E-cad	DWVIPPISCPENEKGFPPKNLVQIKSNKDKGKVFYSITGQGADTPPVGVFIHERETGWLKVTEPLDRER
mouse E-cad	DWVIPPISCPENEKGFPPKNLVQIKSNRDKETKVFYSITGQGADKPPVGVFIHERETGWLKVTEPLDREA
human N-cad	IARFHLRAHVDINGNQVENPIDIVINVIDMNDNRPEF
mouse N-cad	IARFHLRAHVDINGNQVENPIDIVINVIDMNDNRPEF
cow N-cad	IARFHLRAHVDINGNQVENPIDIVINVIDMNDNRPEF
human P-cad	IAKYELFGHVSNGASVEDPMNISITVTQNDHKPF
mouse P-cad	IVKYELYGHVSNGASVEEPMNISITVTQNDHKPF
human E-cad	IATYTLFSAVSSNGNAVEDPMEILITVTQNDKNRPEF
mouse E-cad	IAKYILYSAVSSNGEAVEDPMEIVITVTQNDNRPEF

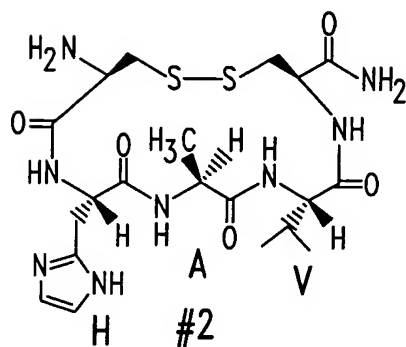
*Fig. 2*



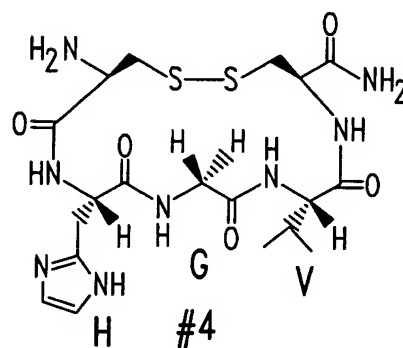
N-Ac-CHAVC-NH<sub>2</sub>



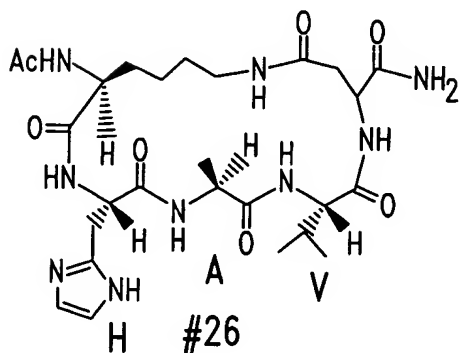
N-Ac-CHGVC-NH<sub>2</sub>



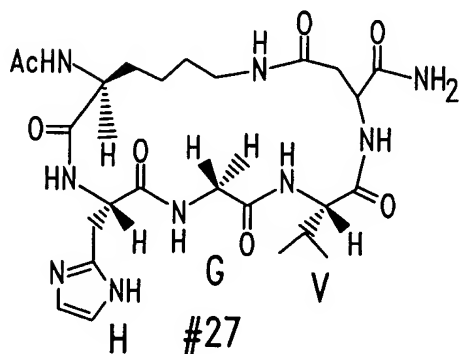
H-CHAVC-NH<sub>2</sub>



H-CHGVC-NH<sub>2</sub>

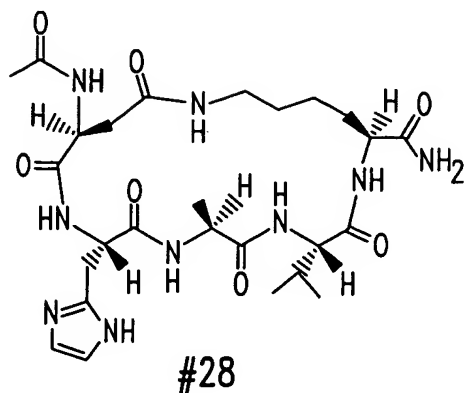


N-Ac-KHAVD-NH<sub>2</sub>

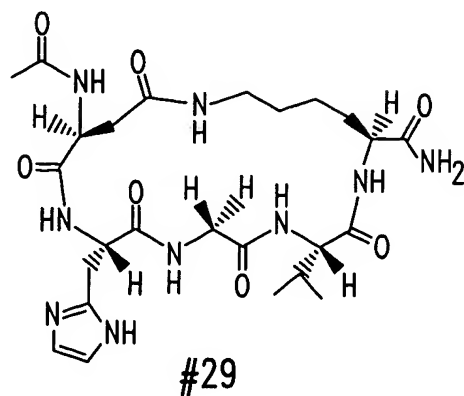


N-Ac-KHGV D-NH<sub>2</sub>

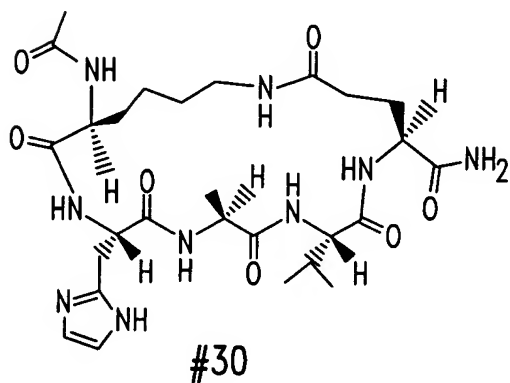
*Fig. 3A*



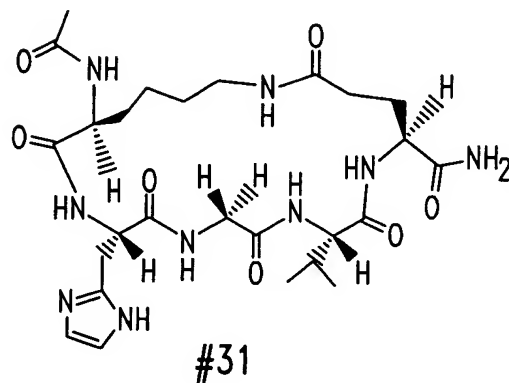
N-Ac-DHAVK-NH<sub>2</sub>



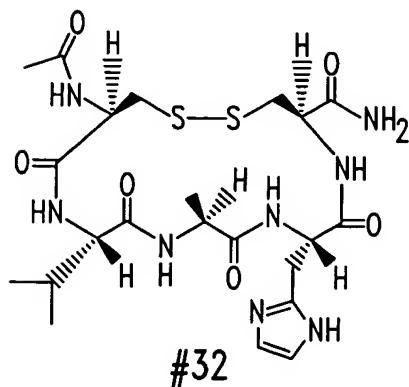
N-Ac-DHGVK-NH<sub>2</sub>



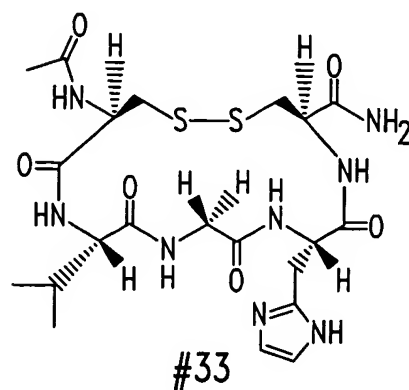
N-Ac-KHAVE-NH<sub>2</sub>



N-Ac-KHGV E-NH<sub>2</sub>



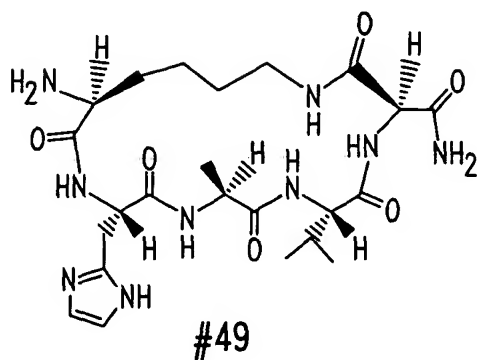
N-Ac-CVAHC-NH<sub>2</sub>



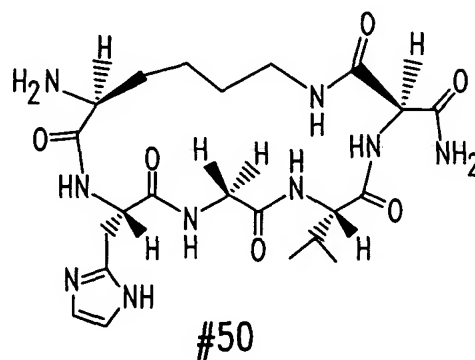
N-Ac-CVGHC-NH<sub>2</sub>

Fig. 3B

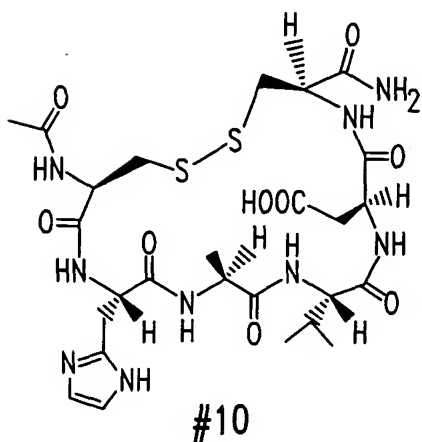




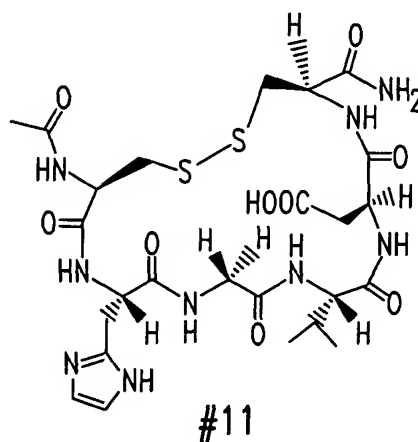
H-KHAVD-NH<sub>2</sub>



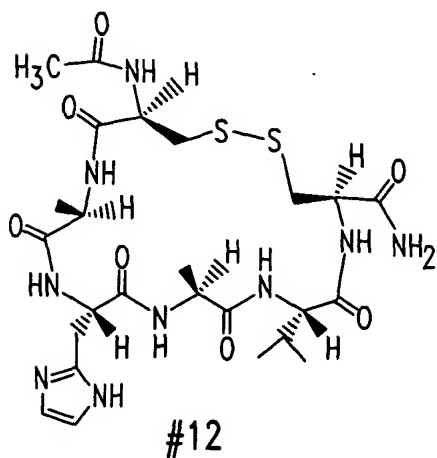
H-KHGV D-NH<sub>2</sub>



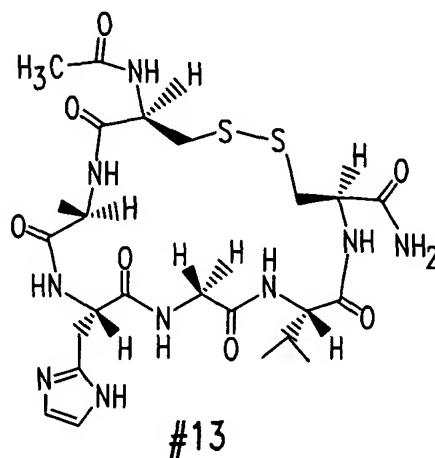
N-Ac-CHAVDC-NH<sub>2</sub>



N-Ac-CHGVDC-NH<sub>2</sub>

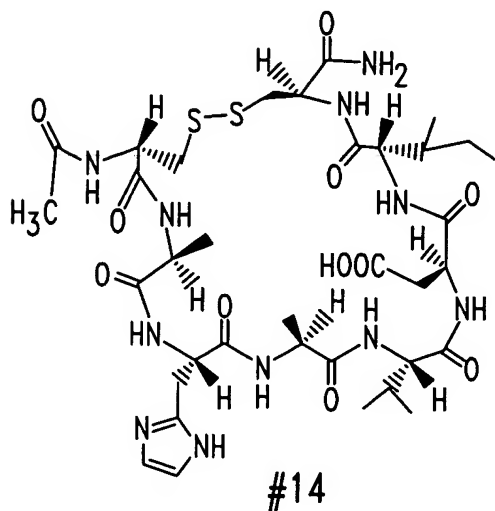


N-Ac-CAHAVC-NH<sub>2</sub>

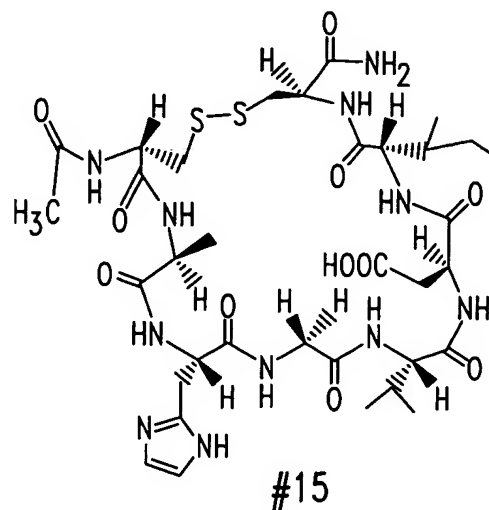


N-Ac-CAHGVC-NH<sub>2</sub>

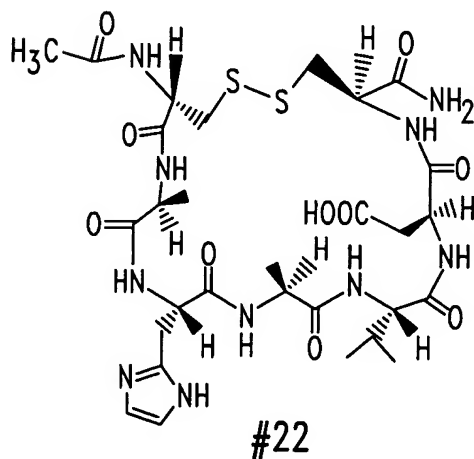
Fig. 3C



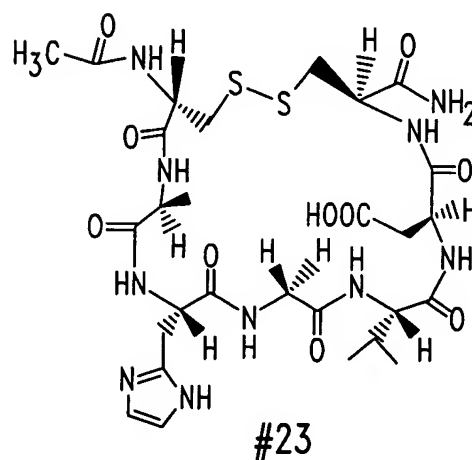
N-Ac-CAHAVD(C)-NH<sub>2</sub>



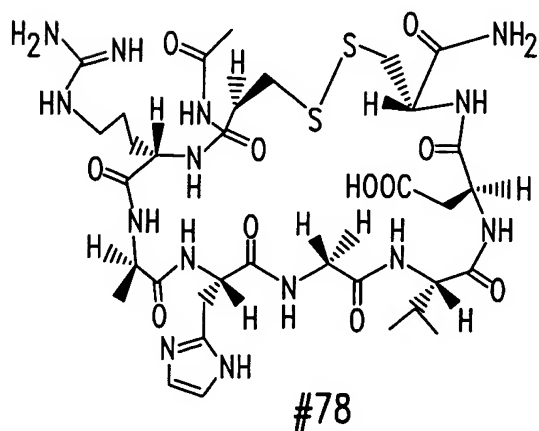
N-Ac-CAHGV(D)-NH<sub>2</sub>



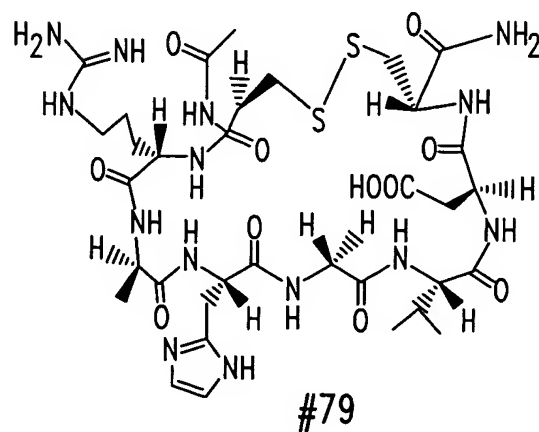
N-Ac-CAHAVDC(NH<sub>2</sub>)-NH<sub>2</sub>



N-Ac-CAHGVDC(NH<sub>2</sub>)-NH<sub>2</sub>

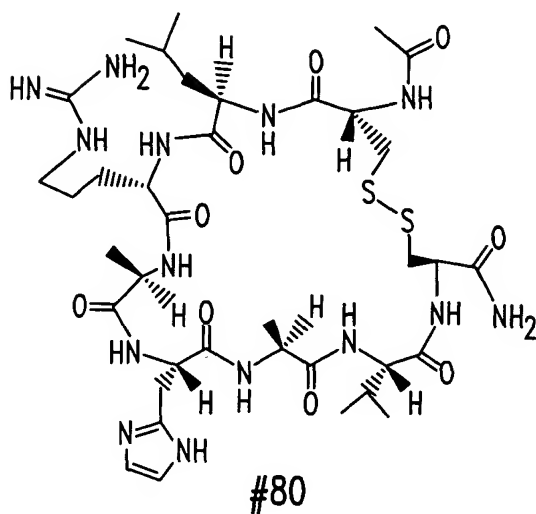


N-Ac-CRAHAVDC(NH<sub>2</sub>)-NH<sub>2</sub>

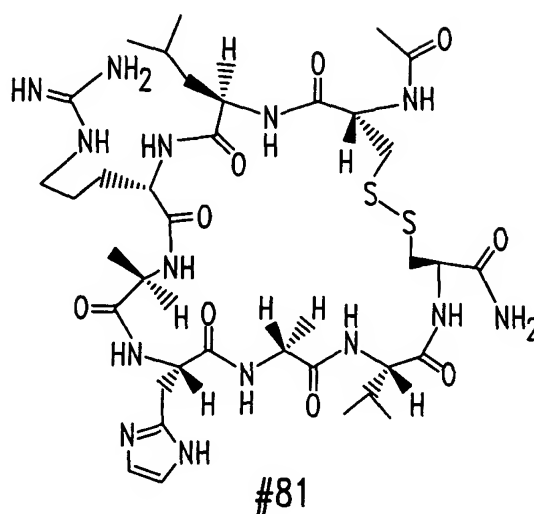


N-Ac-CRAHGVDC(NH<sub>2</sub>)-NH<sub>2</sub>

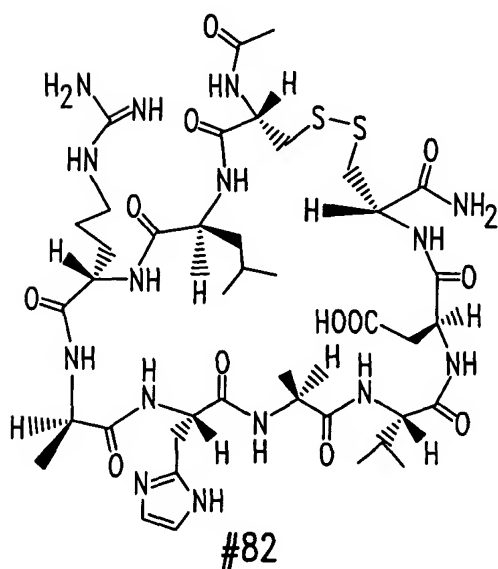
Fig. 3D



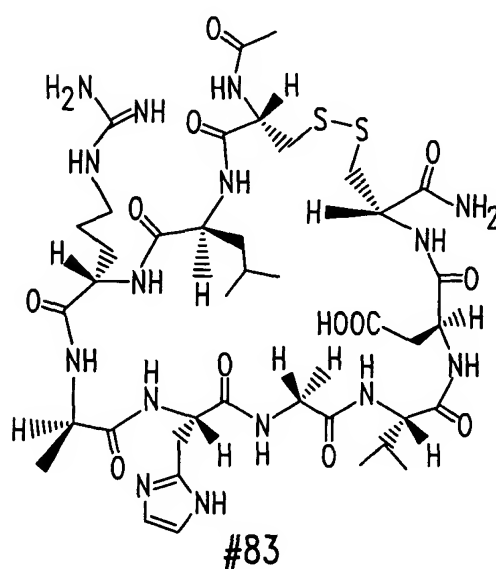
N-Ac-CLRAHAVC-NH<sub>2</sub>



N-Ac-CLRAHGVC-NH<sub>2</sub>

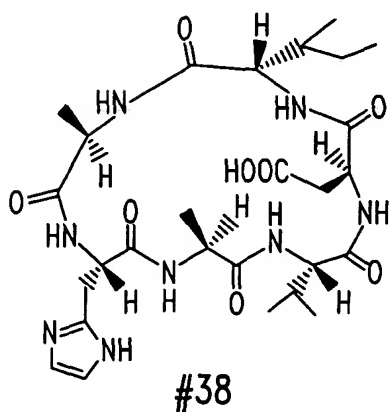


N-Ac-CLRAHAVDC-NH<sub>2</sub>

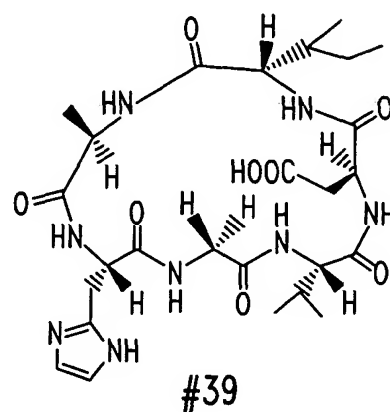


N-Ac-CLRAHGVDC-NH<sub>2</sub>

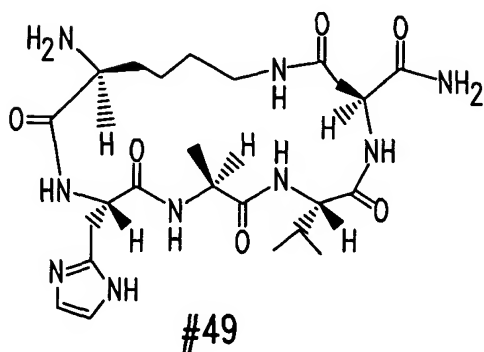
*Fig. 3E*



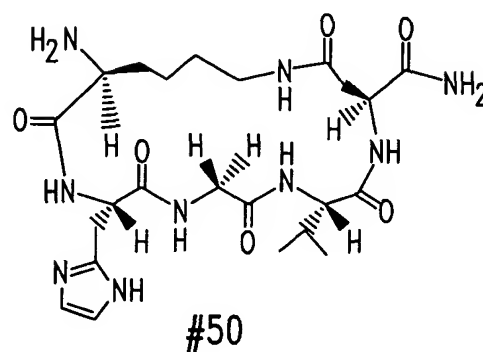
AHAVDI



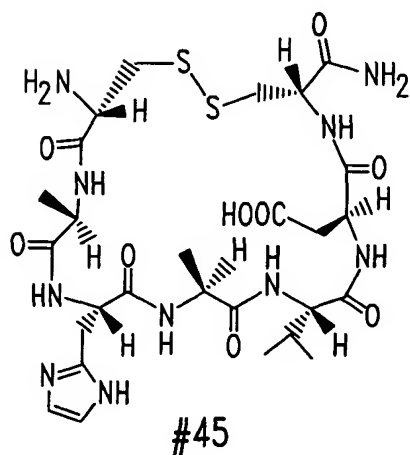
AHGVDI



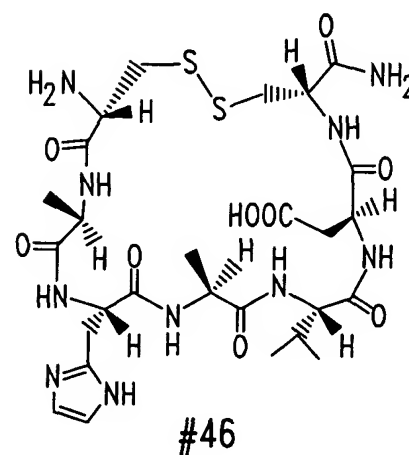
H-KHAVD-NH<sub>2</sub>



H-KHGVN-NH<sub>2</sub>

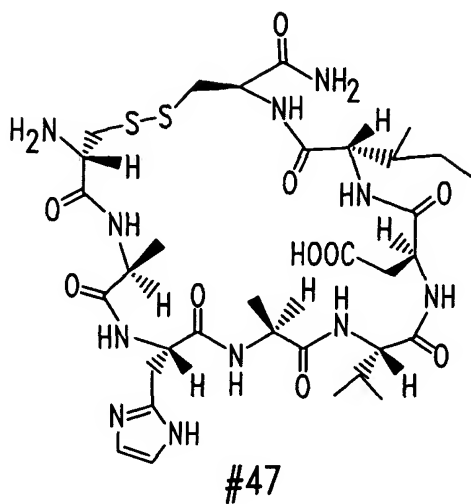


H-CAHAVDC-NH<sub>2</sub>

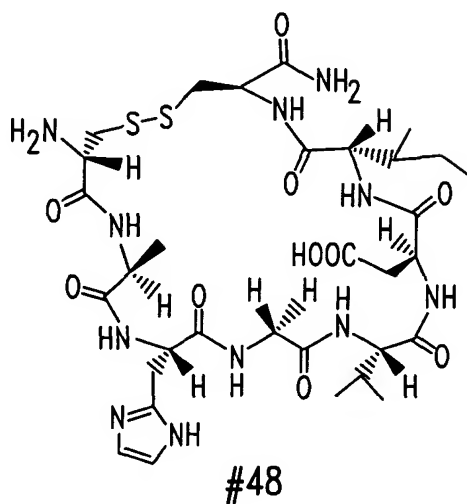


H-CAHGVDC-NH<sub>2</sub>

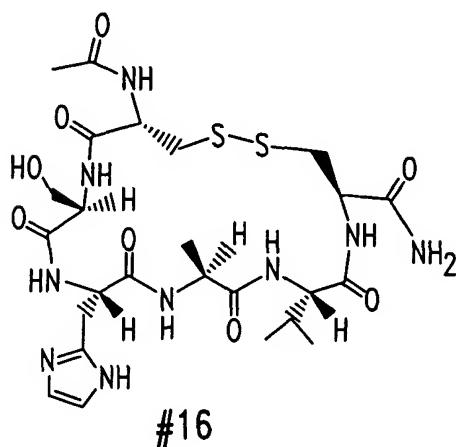
*Fig. 3F*



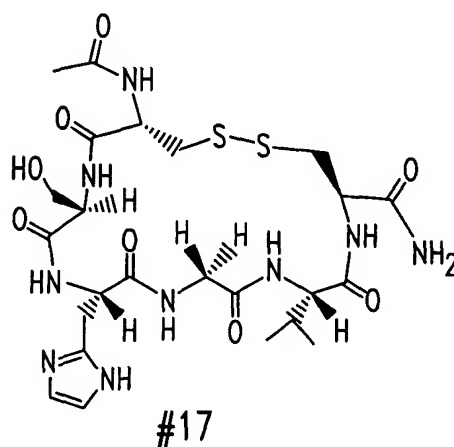
H-CAHAVDIC-NH<sub>2</sub>



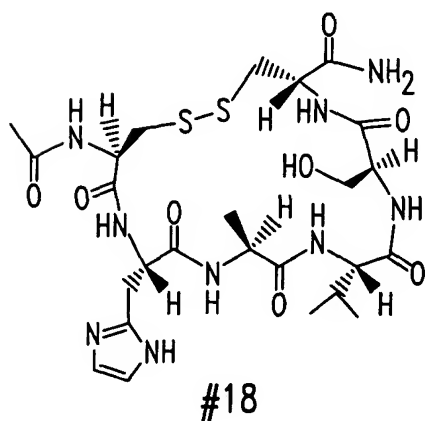
H-CAHGVDDIC-NH<sub>2</sub>



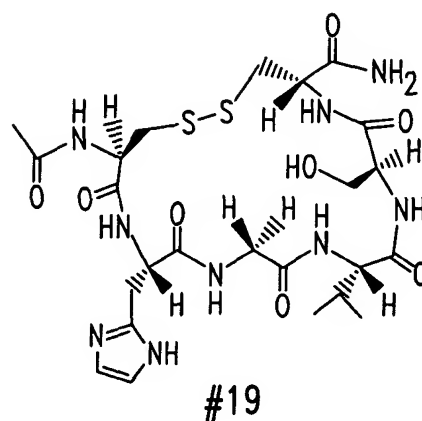
N-Ac-CSHAVC-NH<sub>2</sub>



N-Ac-CSHGVC-NH<sub>2</sub>

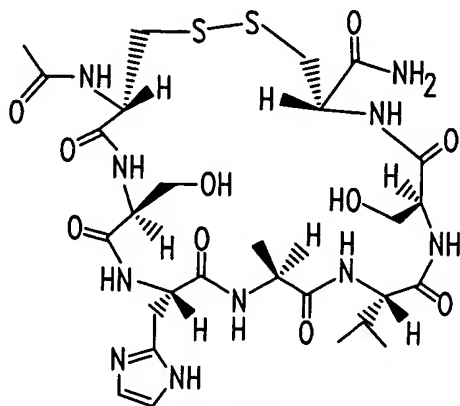


N-Ac-CHAVSC-NH<sub>2</sub>



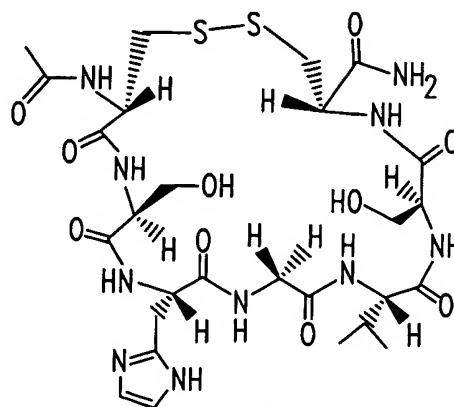
N-Ac-CHGVSC-NH<sub>2</sub>

Fig. 3G



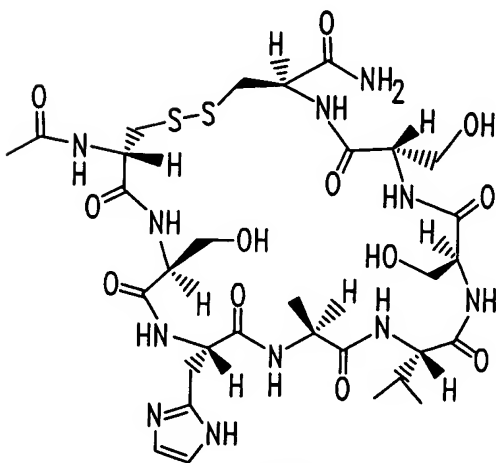
#20

N-Ac-CSHAVSC-NH<sub>2</sub>



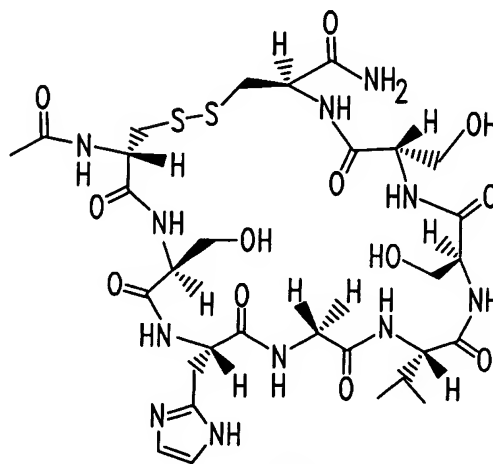
#21

N-Ac-CSHGVSC-NH<sub>2</sub>



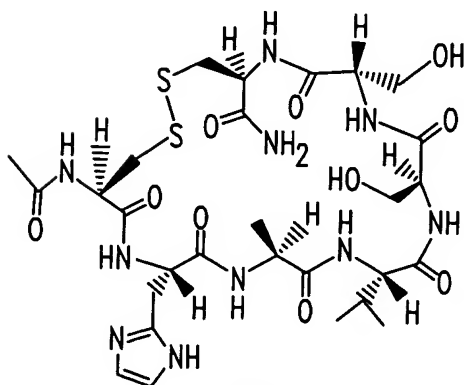
#24

N-Ac-CSHAVSSC-NH<sub>2</sub>



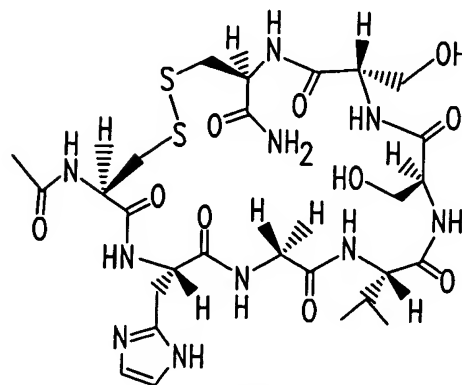
#25

N-Ac-CSHGVSSC-NH<sub>2</sub>



#66

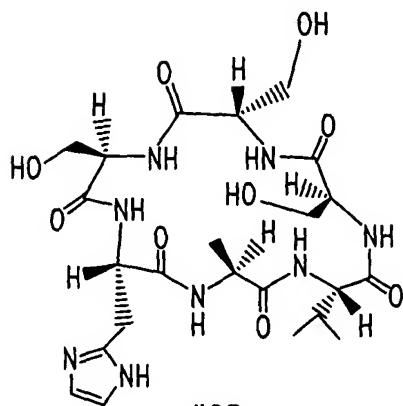
N-Ac-CHAVSSC-NH<sub>2</sub>



#67

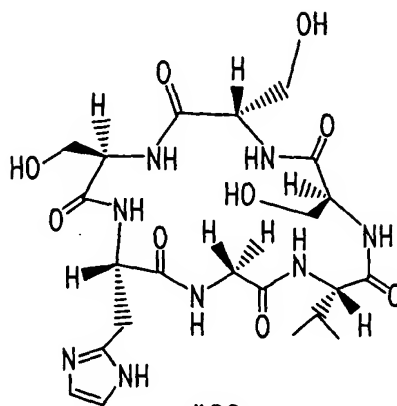
N-Ac-CHGVSSC-NH<sub>2</sub>

*Fig. 3H*



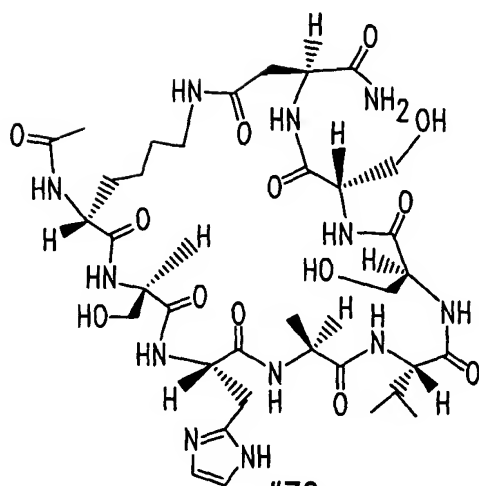
#68

SHAVSS



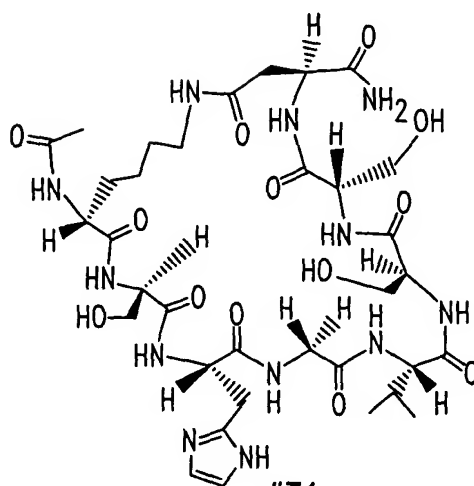
#69

SHGVSS



#70

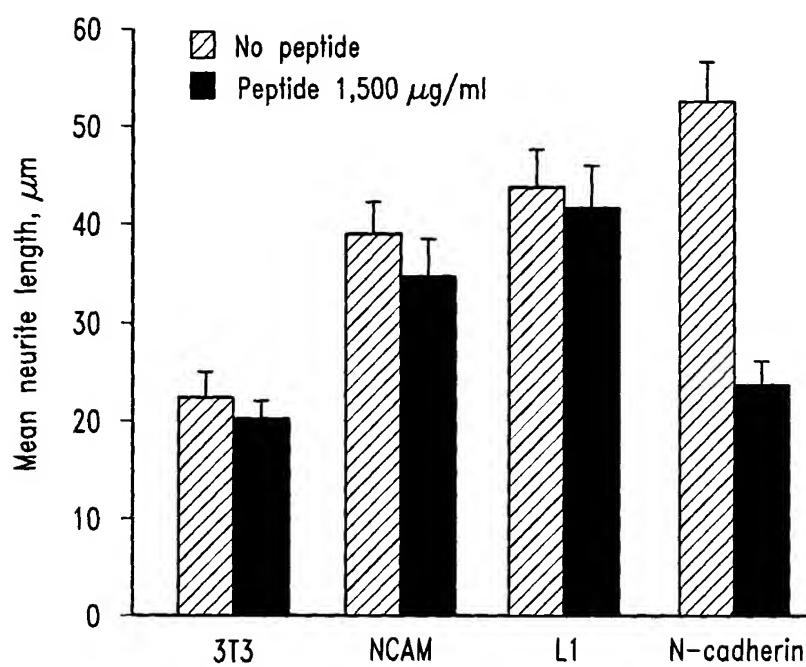
N-Ac-SHAVSSD-NH<sub>2</sub>



#71

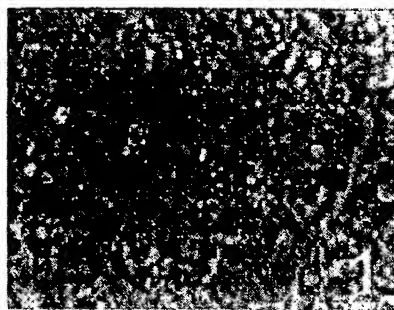
N-Ac-SHGVSSD-NH<sub>2</sub>

*Fig. 3I*

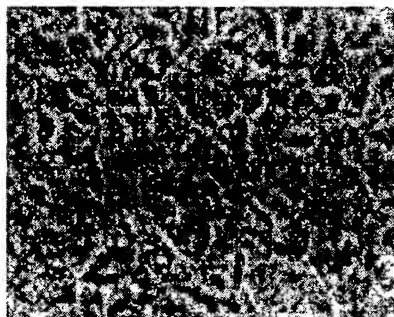


*Fig. 4*





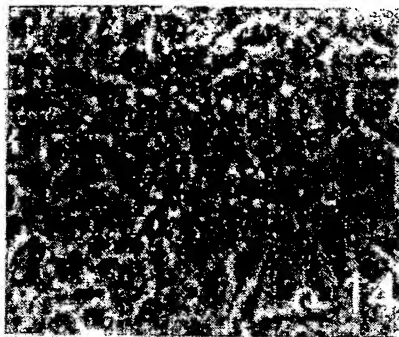
*Fig. 5A*



*Fig. 5B*



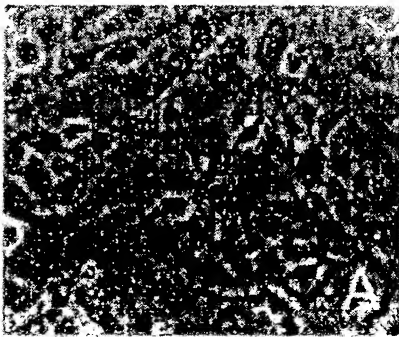
*Fig. 5C*



*Fig. 6A*



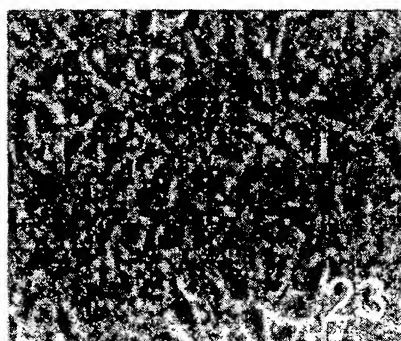
*Fig. 6B*



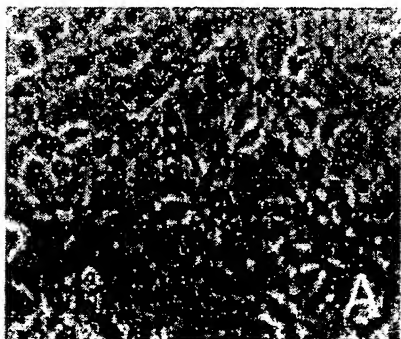
*Fig. 6C*



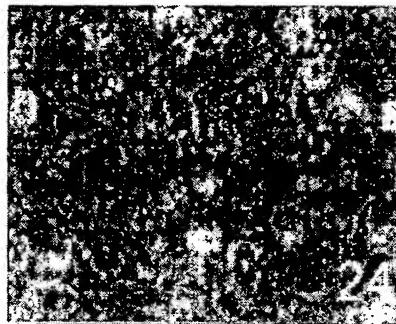
*Fig. 7A*



*Fig. 7B*



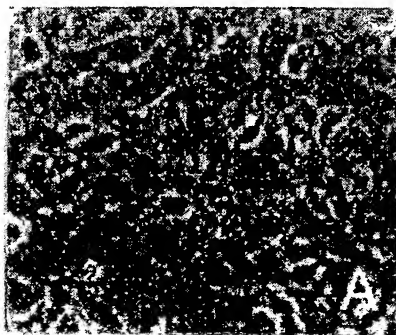
*Fig. 7C*



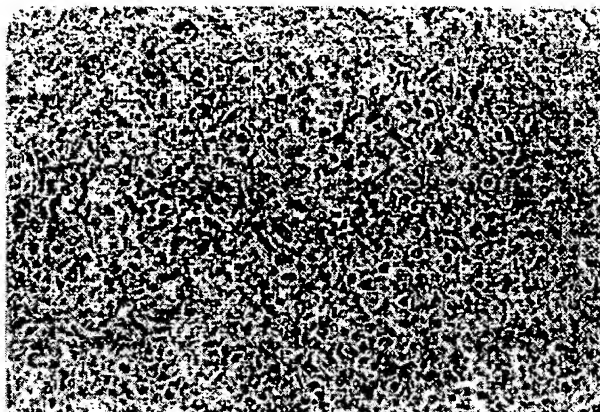
*Fig. 8A*



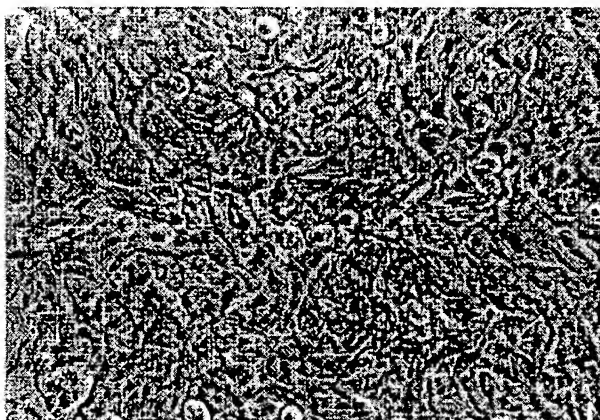
*Fig. 8B*



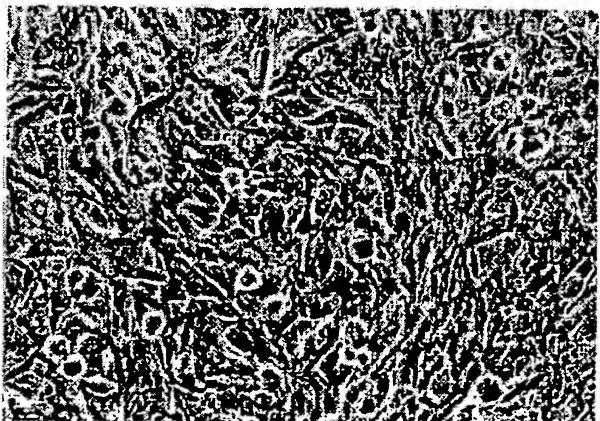
*Fig. 8C*



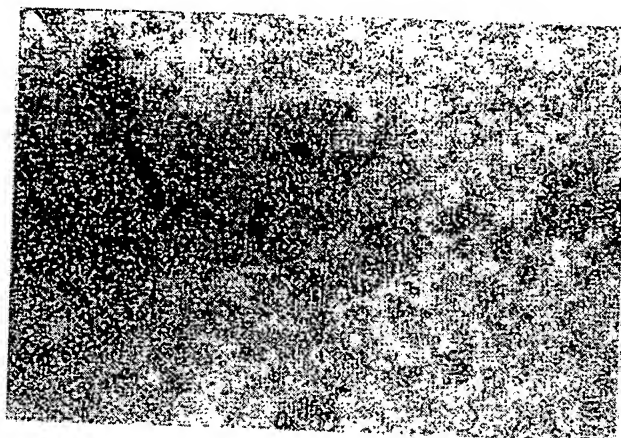
*Fig. 9A*



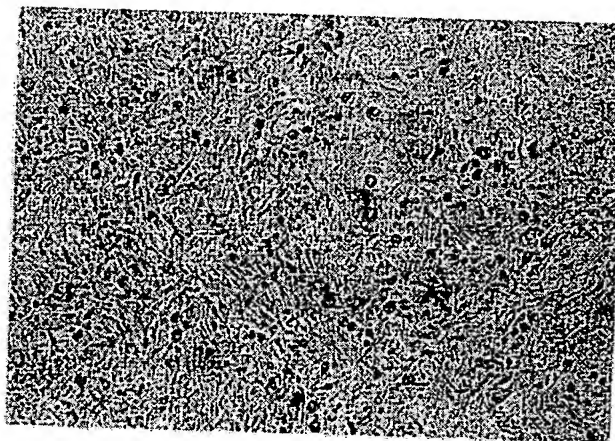
*Fig. 9B*



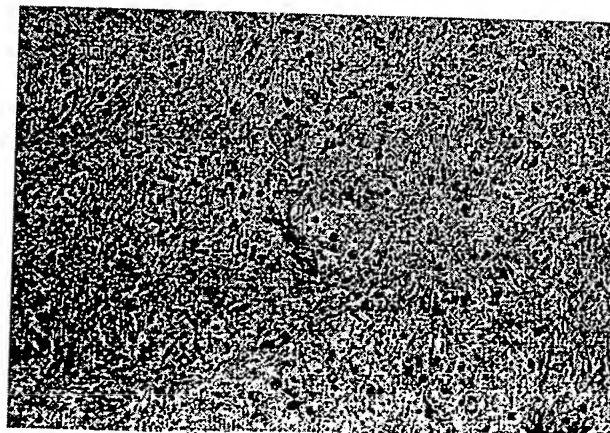
*Fig. 9C*



*Fig. 9D*

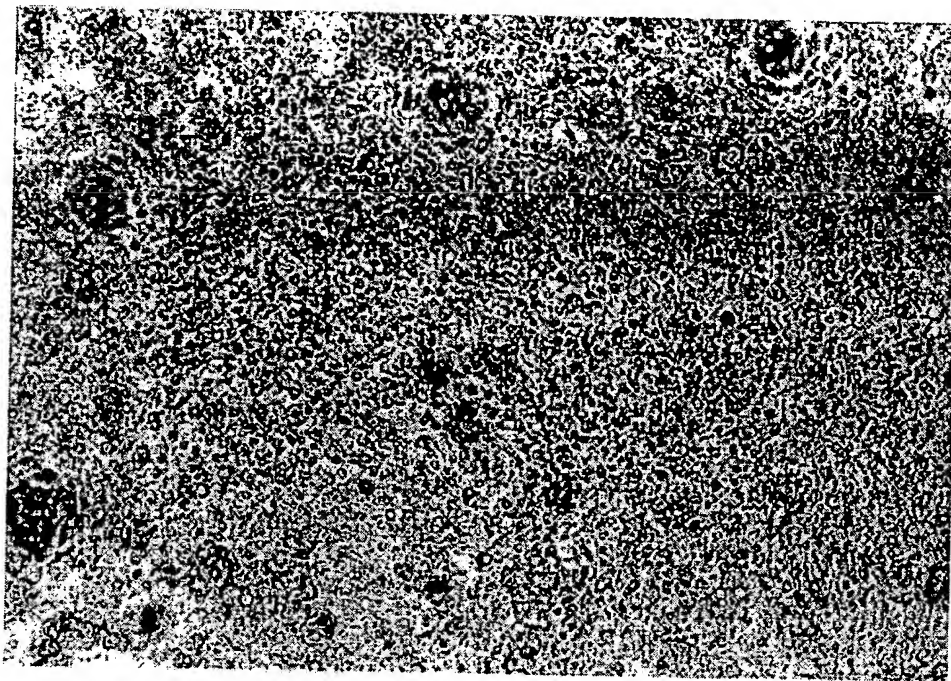


*Fig. 9E*

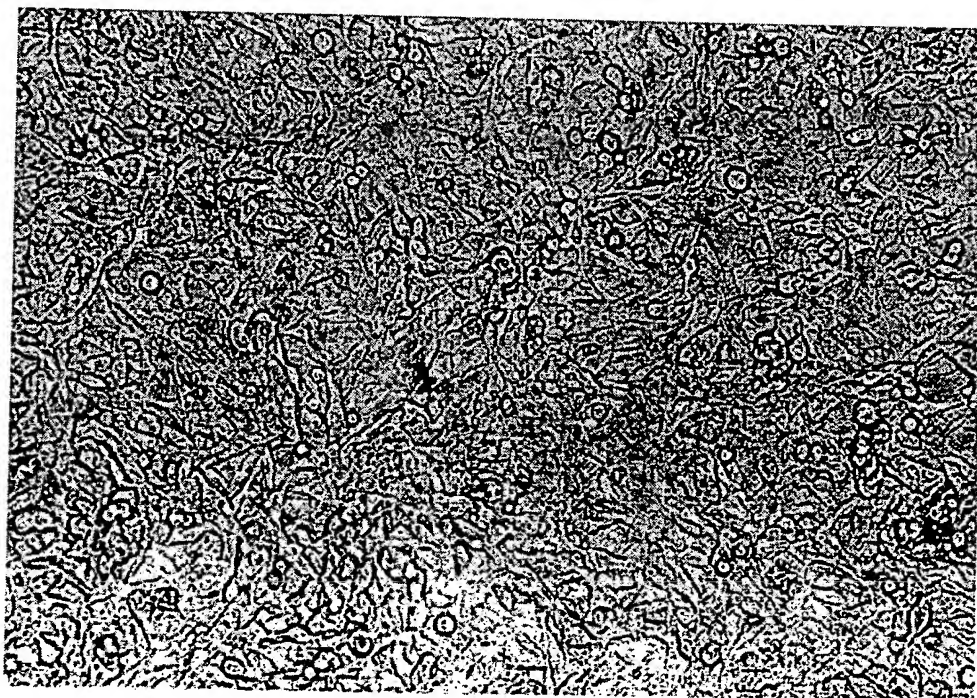


*Fig. 9F*

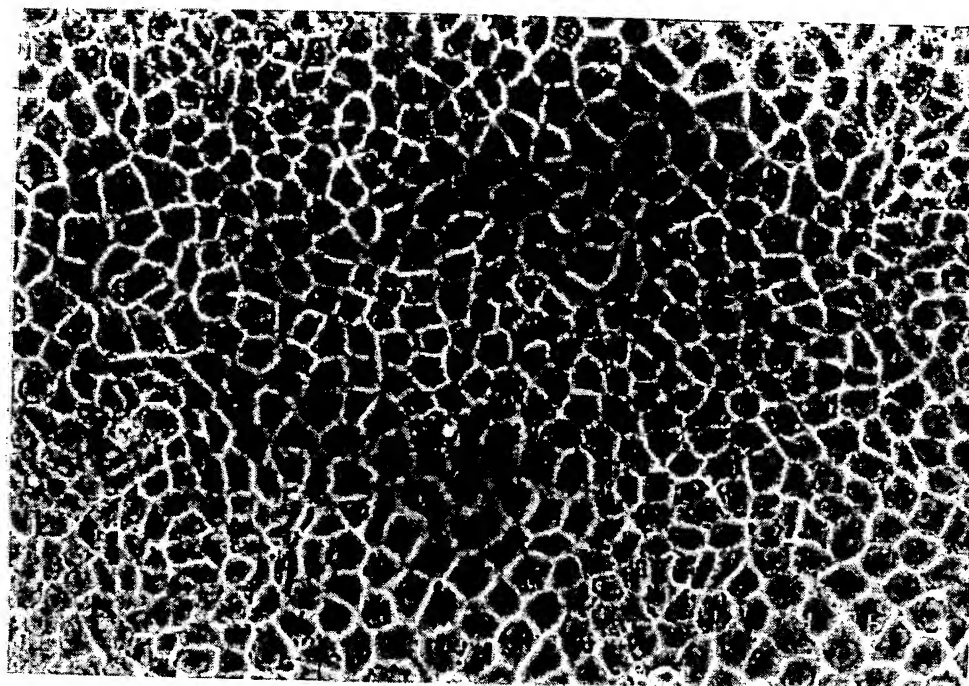




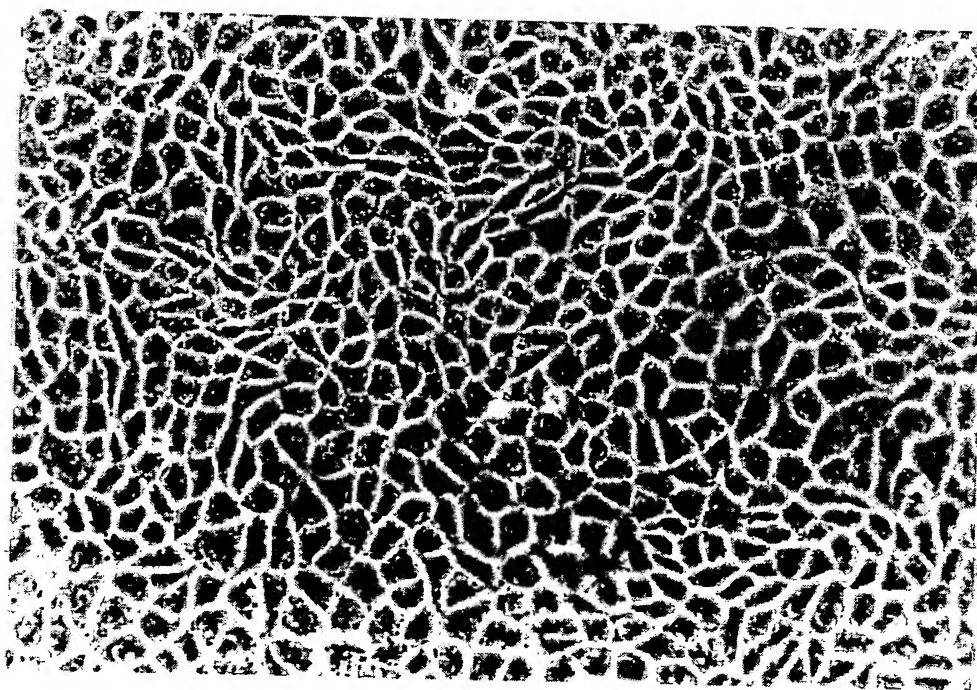
*Fig. 10A*



*Fig. 10B*

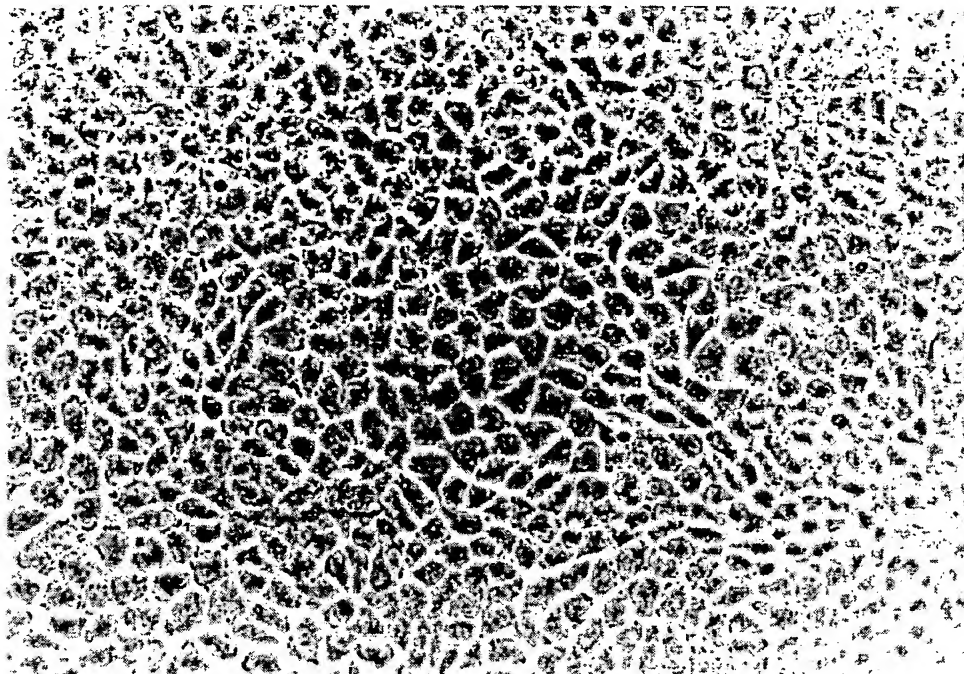


*Fig. 11A*

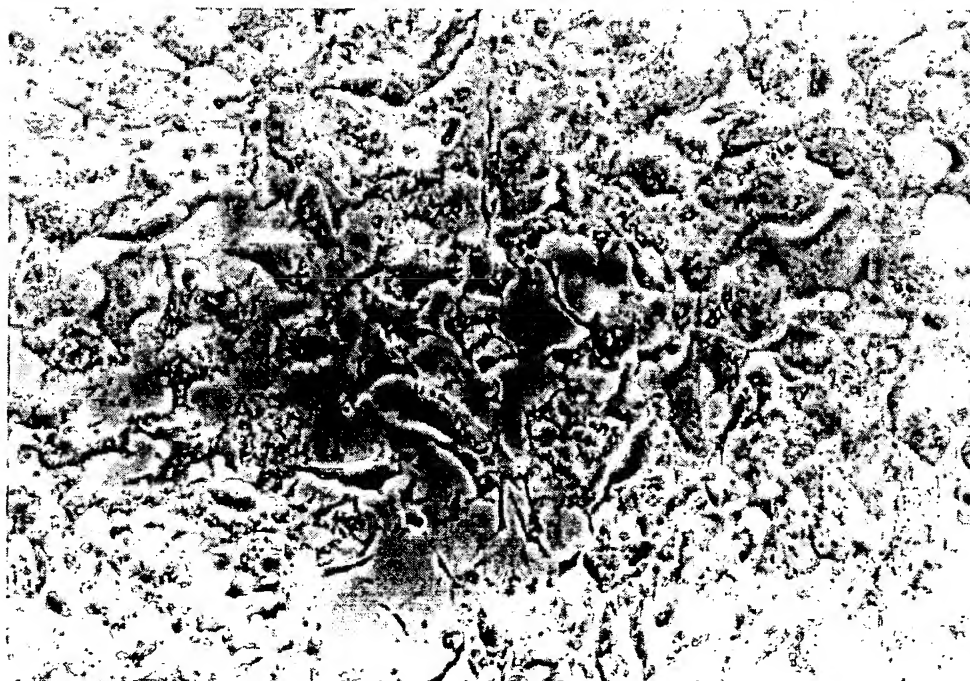


*Fig. 11B*

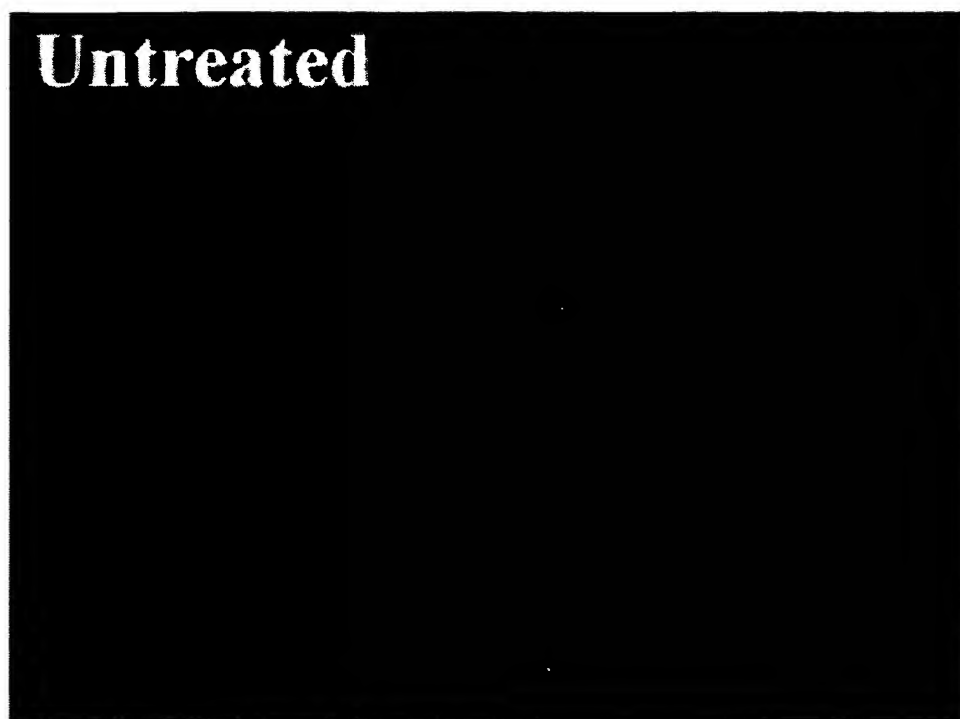




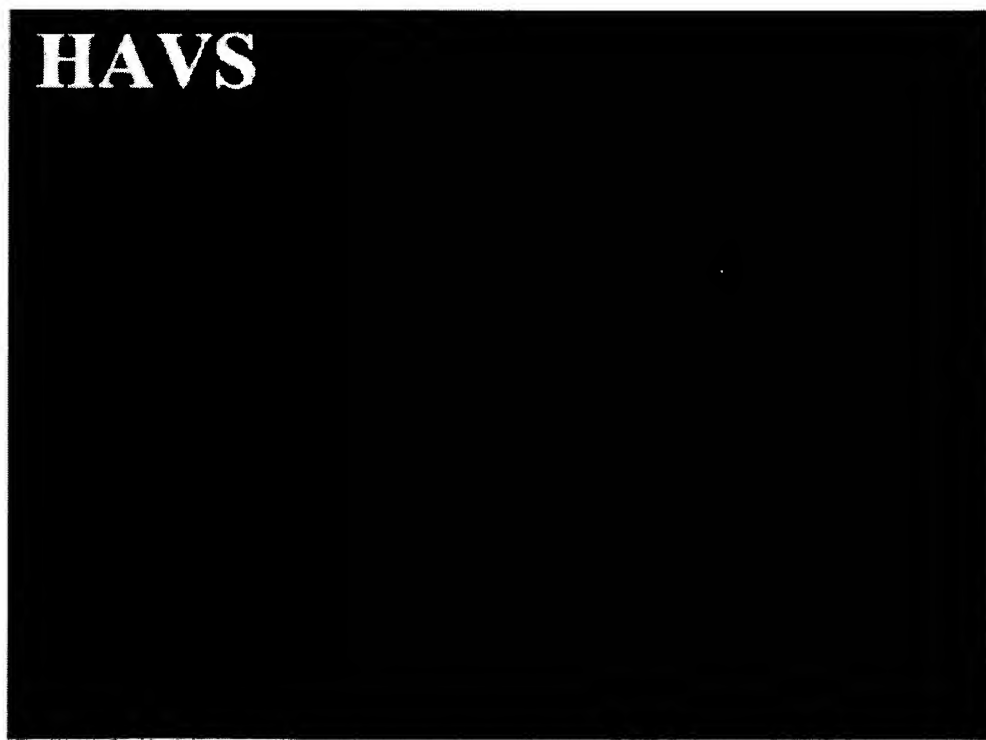
*Fig. 11C*



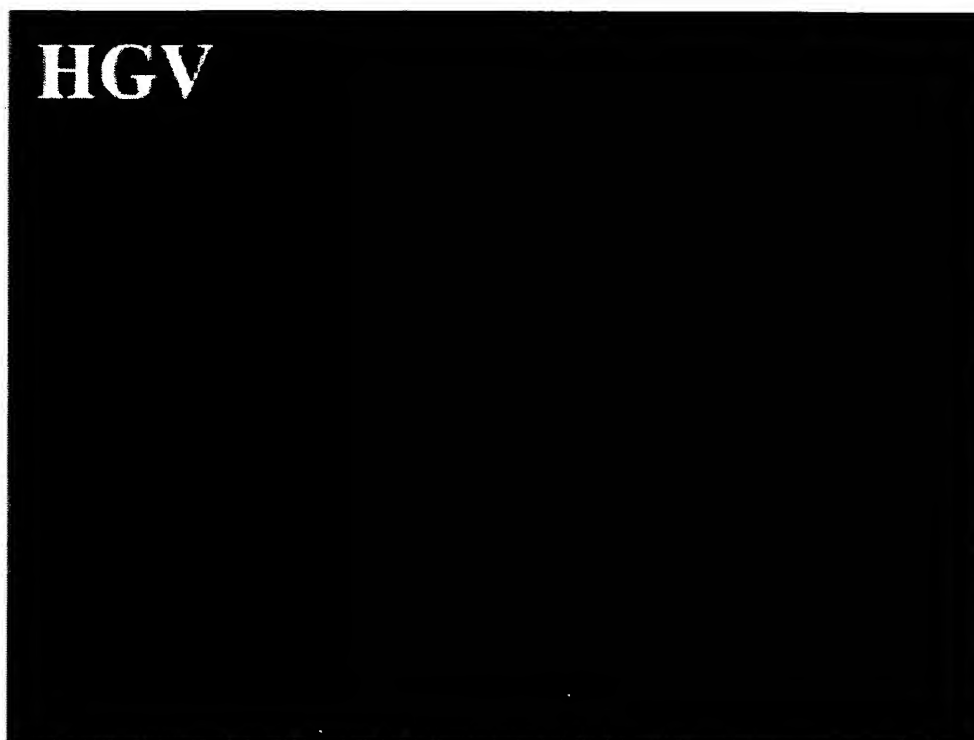
*Fig. 11D*



*Fig. 12A*



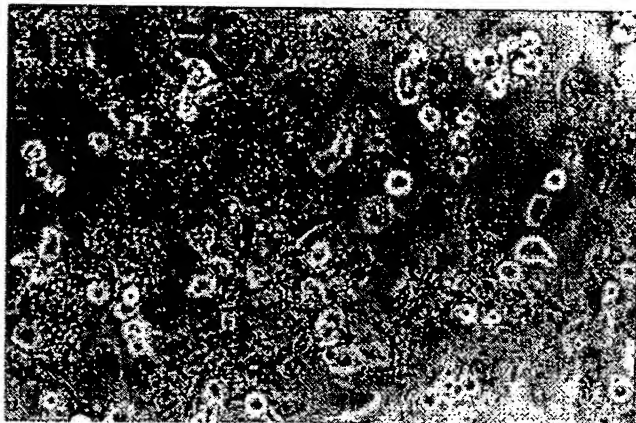
*Fig. 12B*



*Fig. 12C*



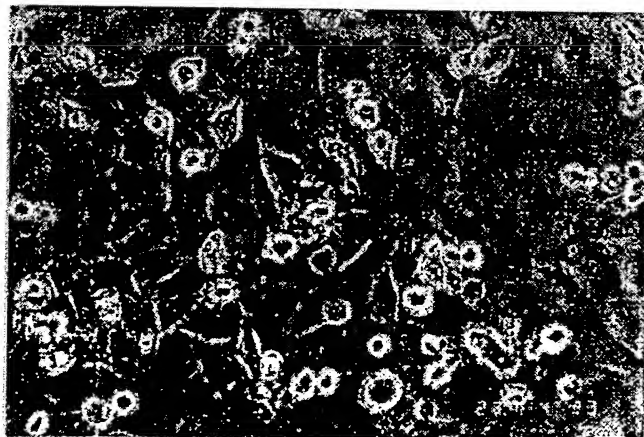
*Fig. 12D*



*Fig. 13A*



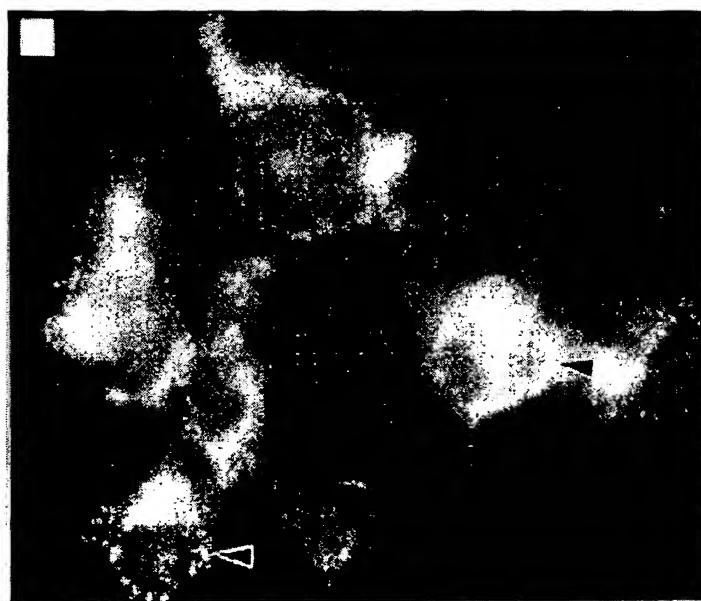
*Fig. 13B*



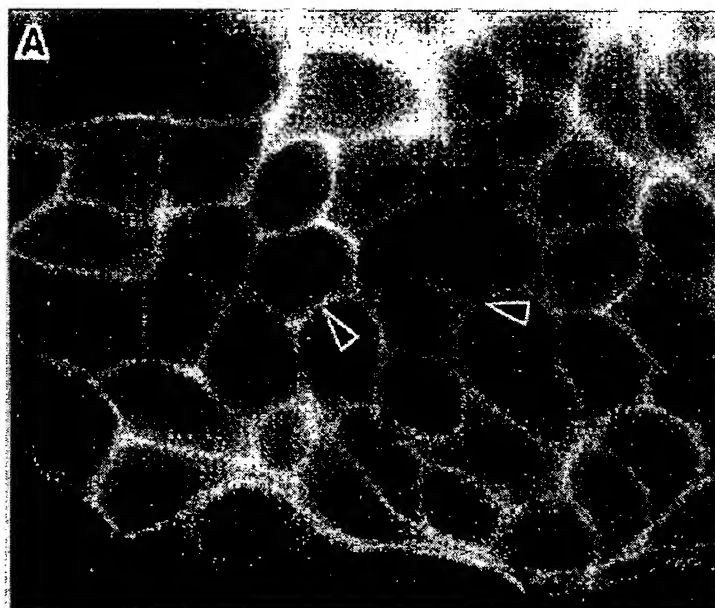
*Fig. 13C*



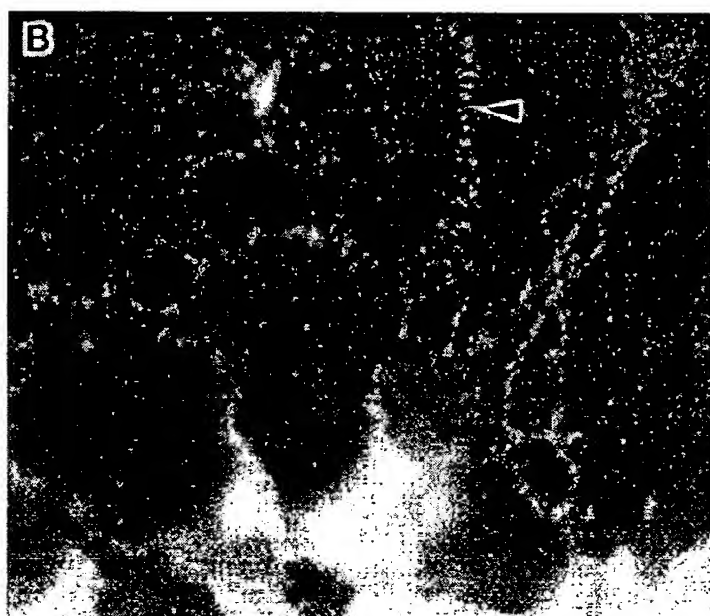
*Fig. 14A*



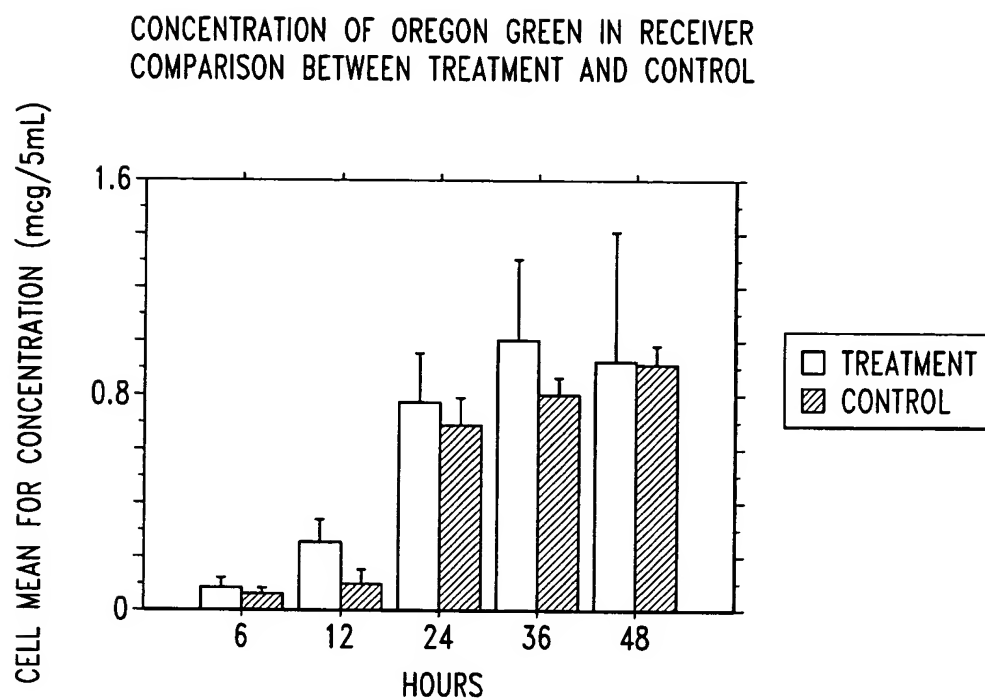
*Fig. 14B*



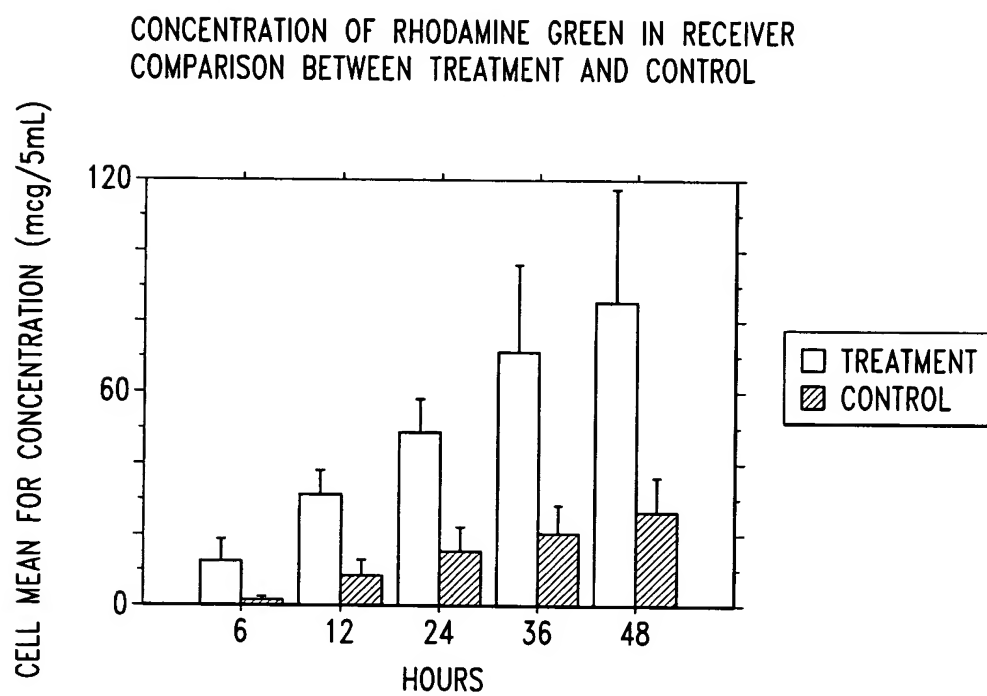
*Fig. 15A*



*Fig. 15B*

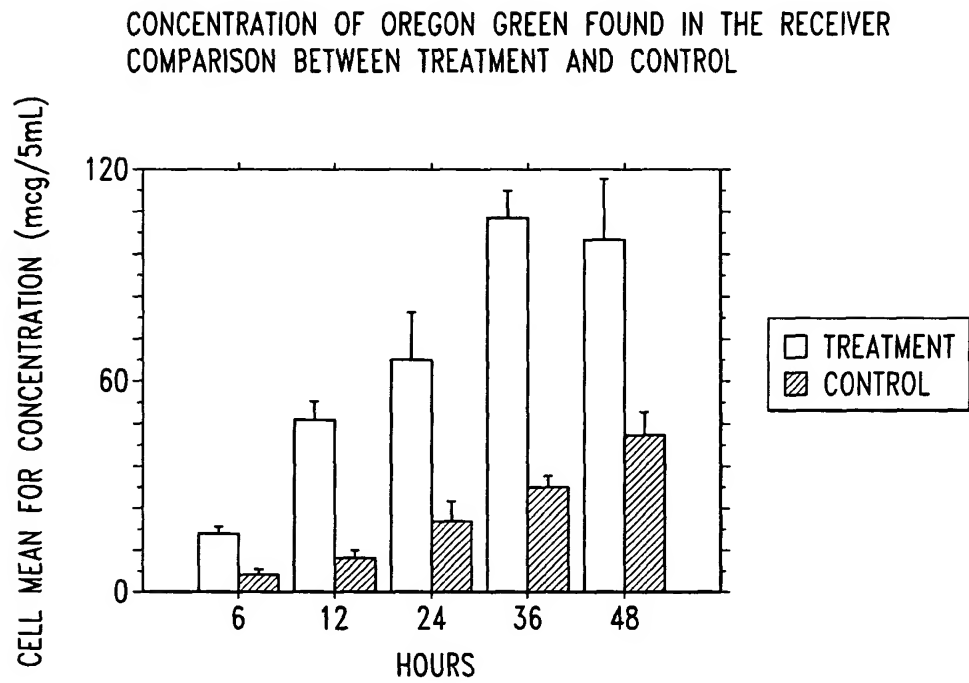


*Fig. 16*

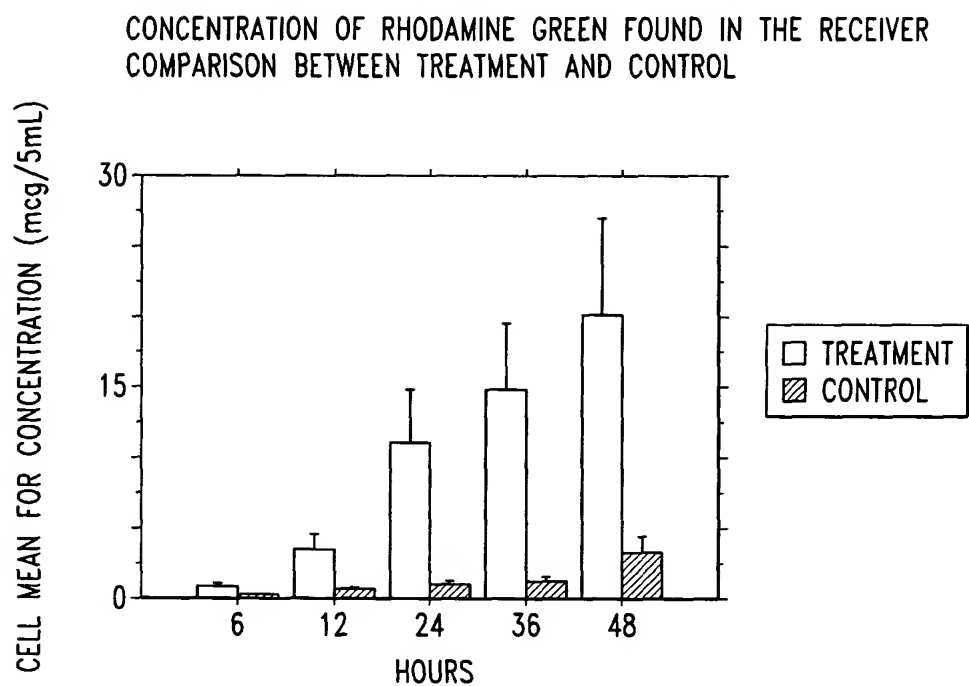


*Fig. 17*

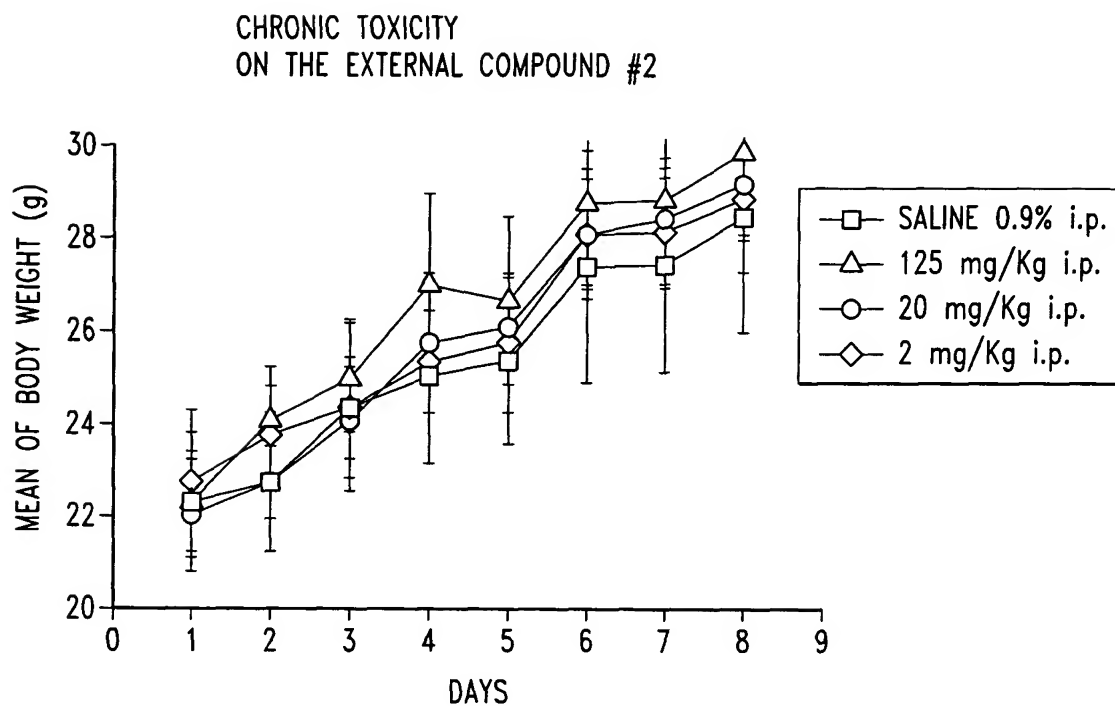




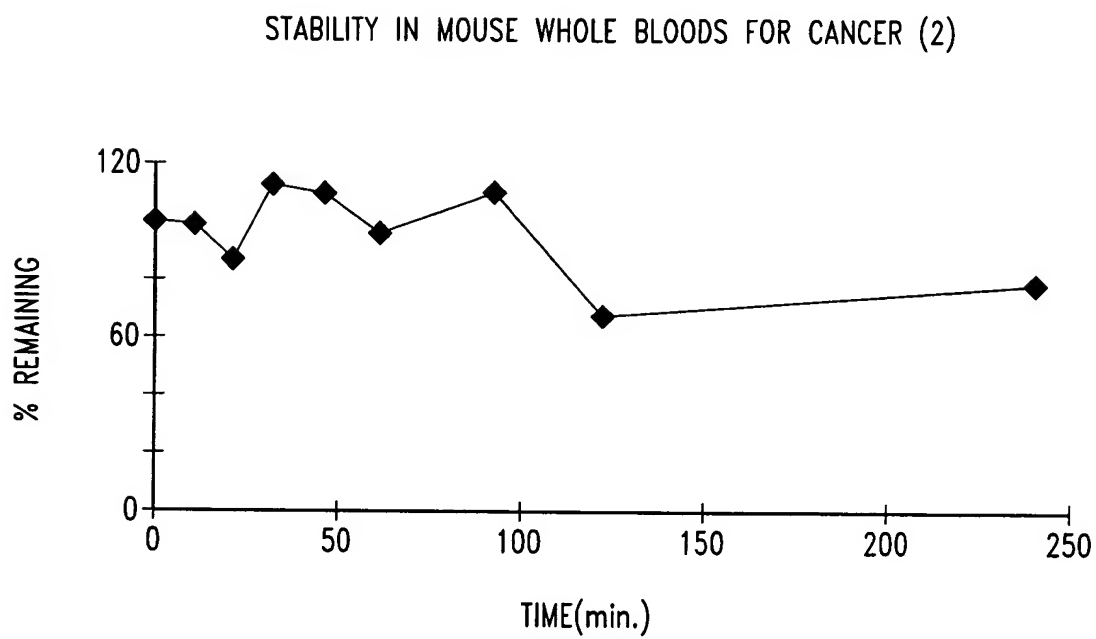
*Fig. 18*



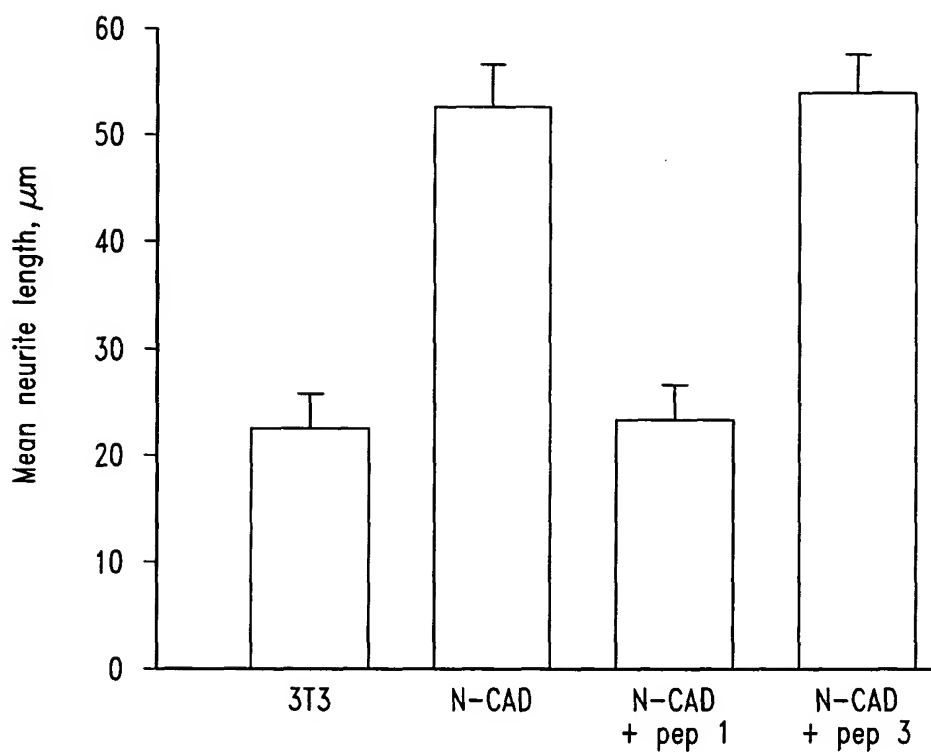
*Fig. 19*



*Fig. 20*



*Fig. 21*



*Fig. 22*

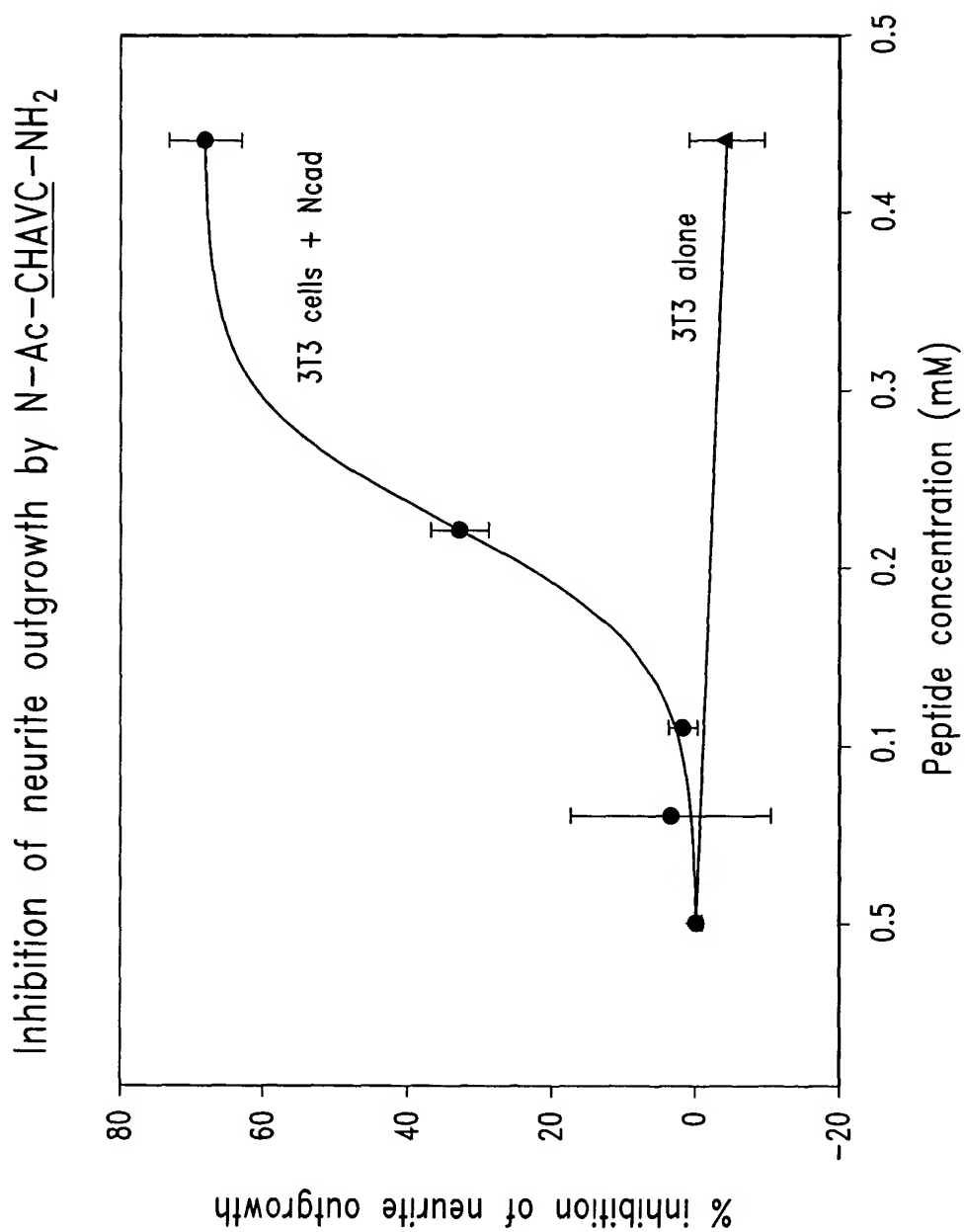
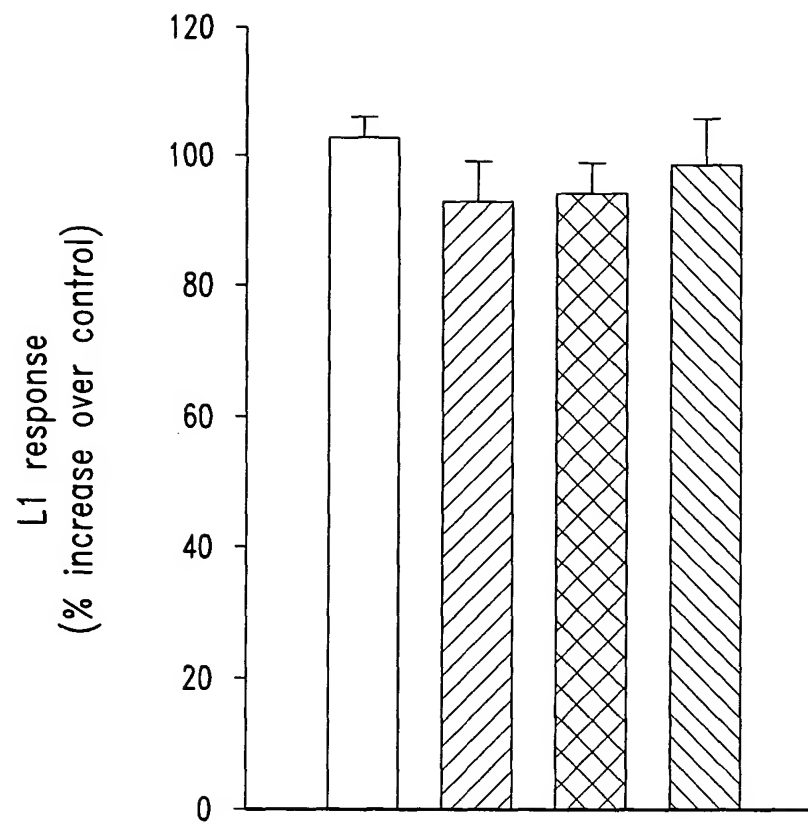
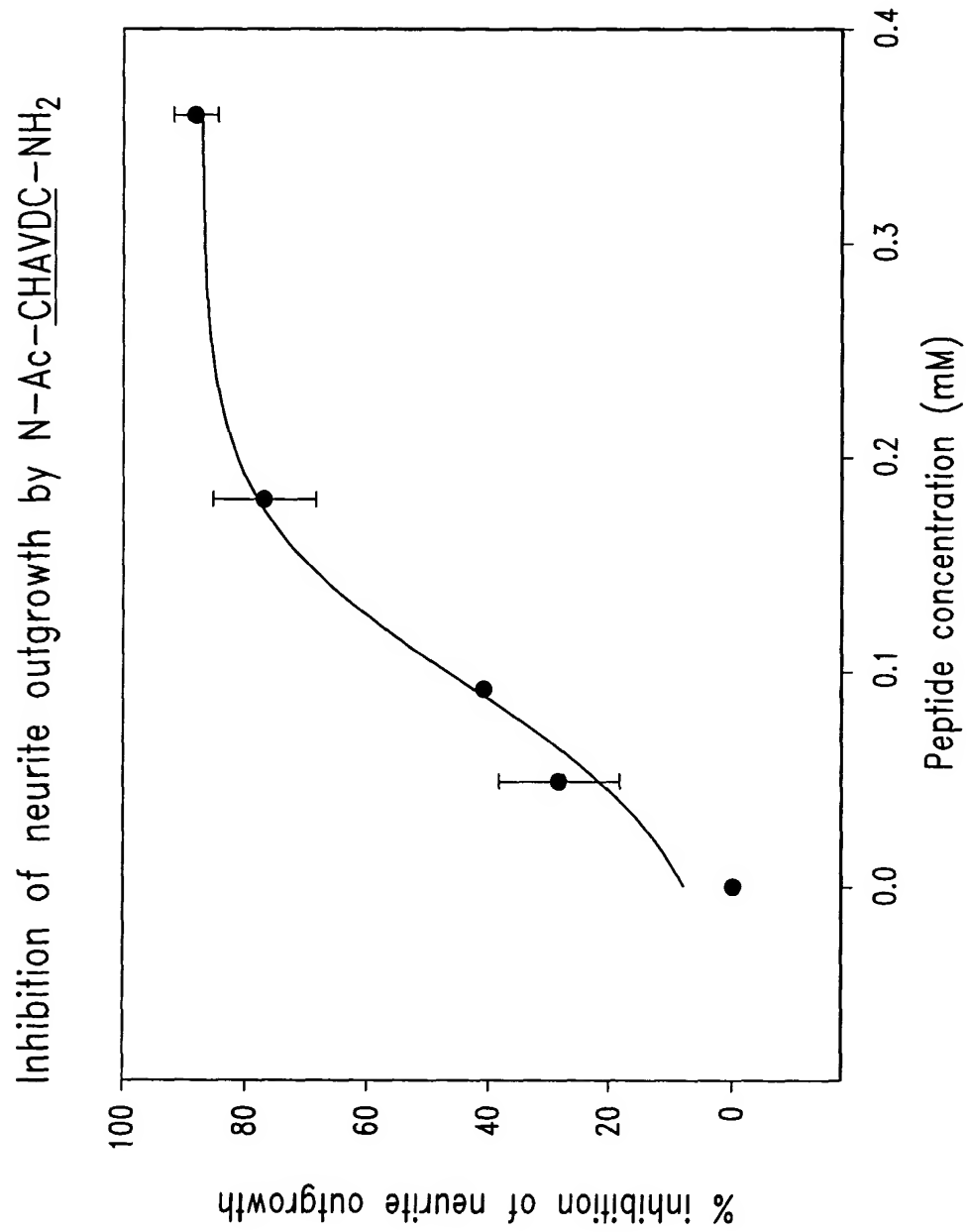


Fig. 23

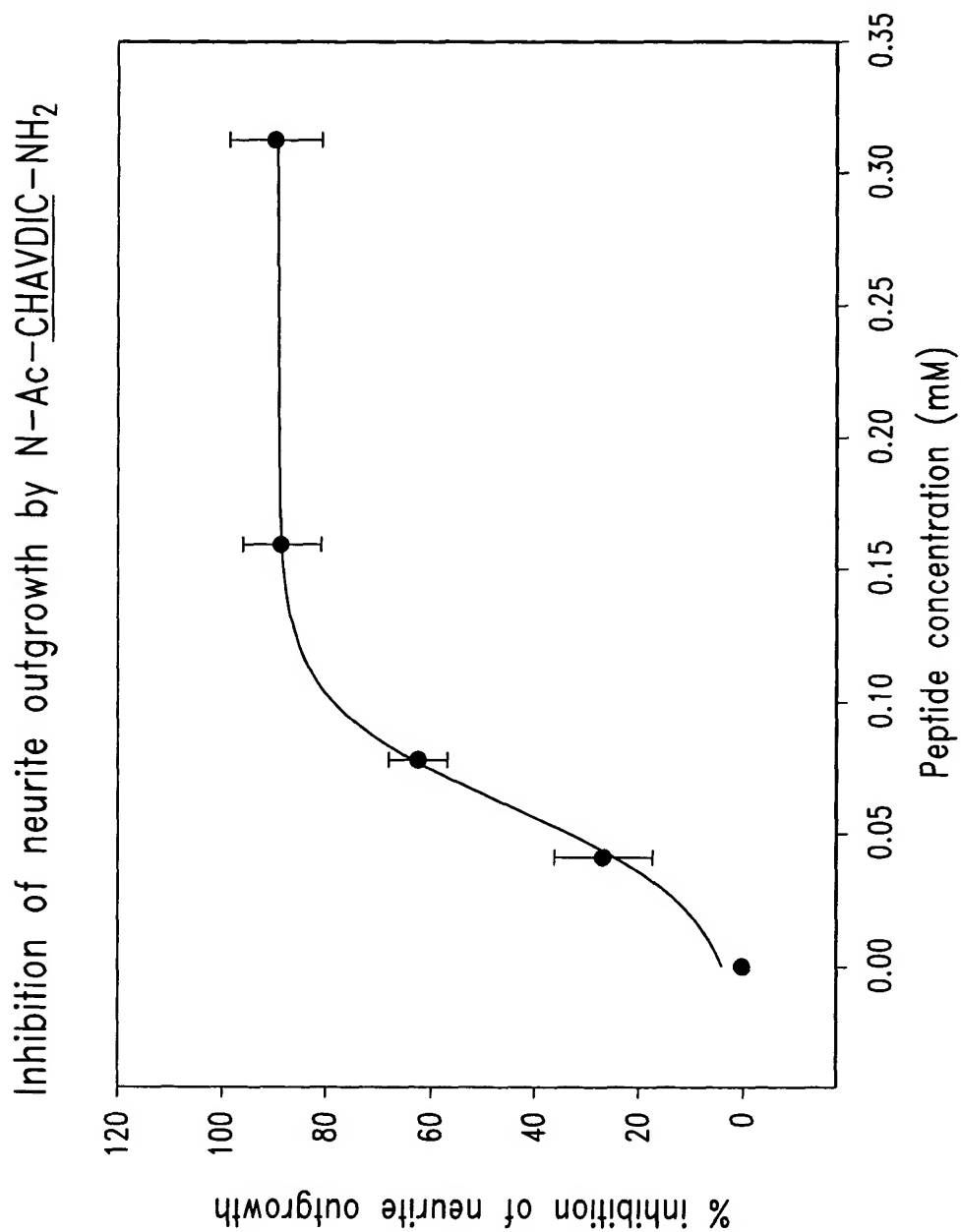


*Fig. 24*

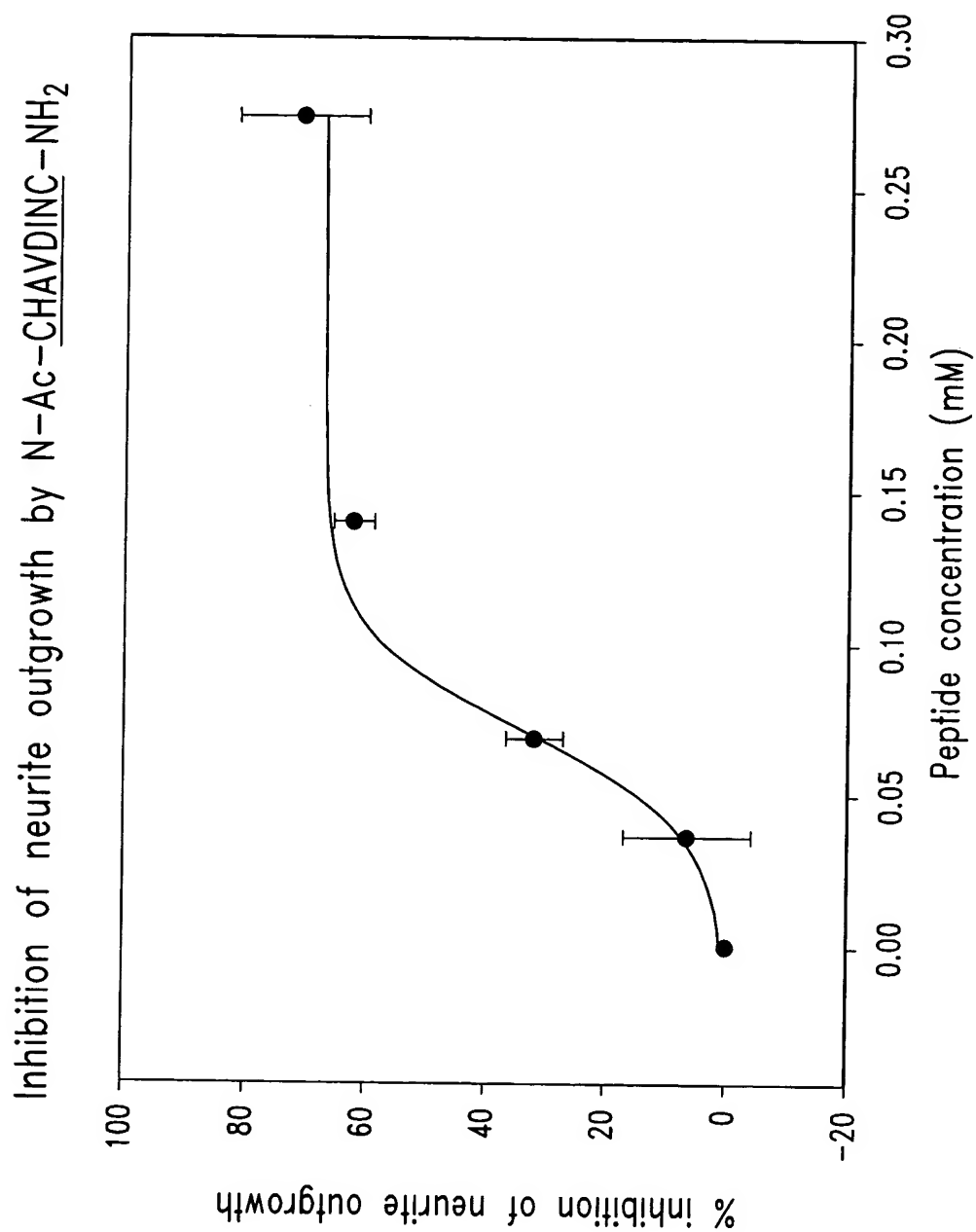


*Fig. 25*





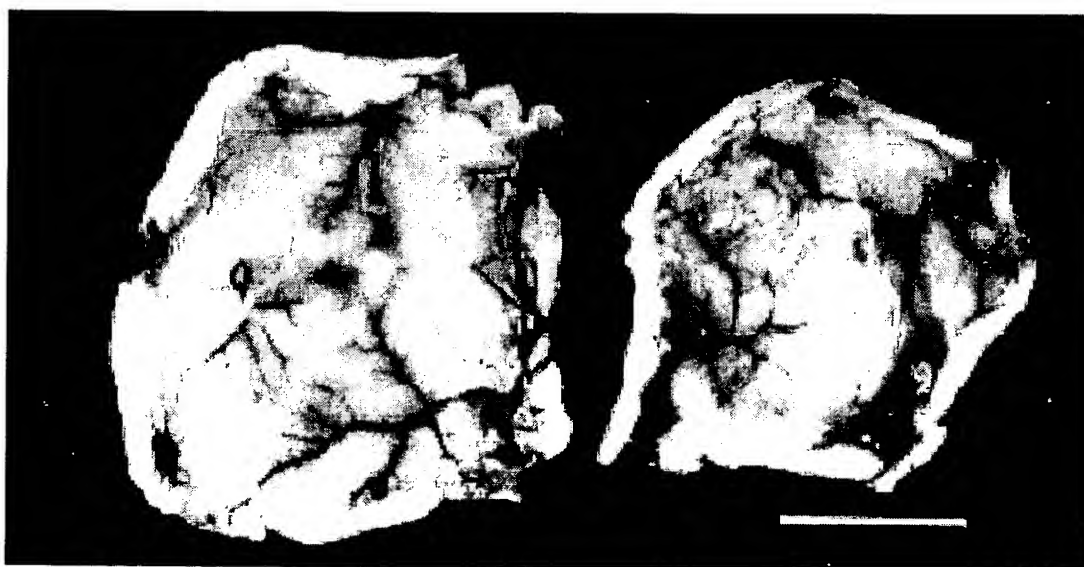
*Fig. 26*



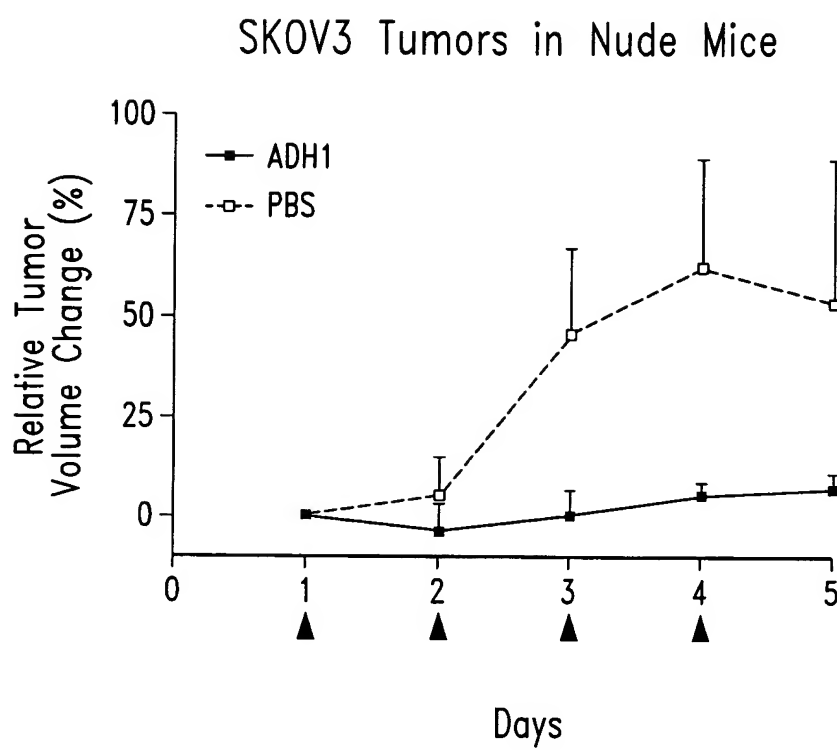
*Fig. 27*



*Fig. 28A*



*Fig. 28B*

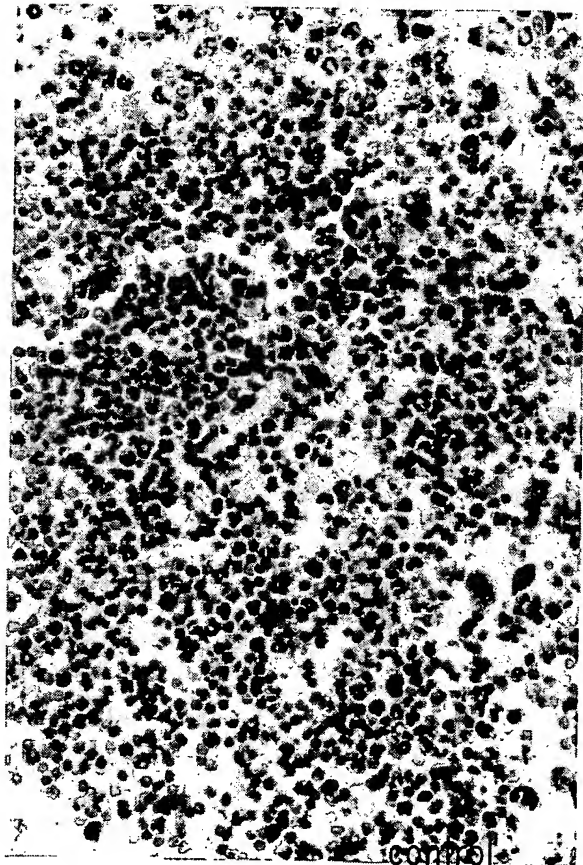


*Fig. 29*

ADH1 (2mg/kg) killed after 5 days

*Fig. 30A*

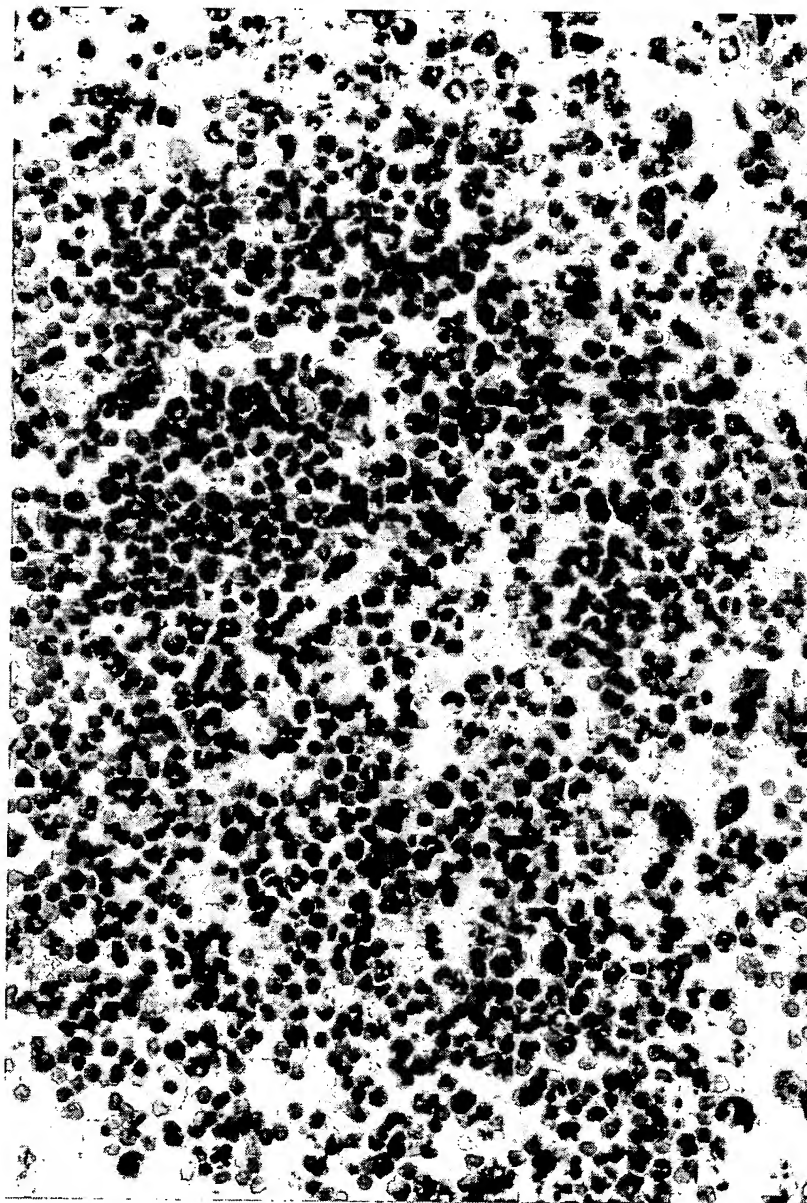
ADH1 (2mg/kg) killed after 5 days



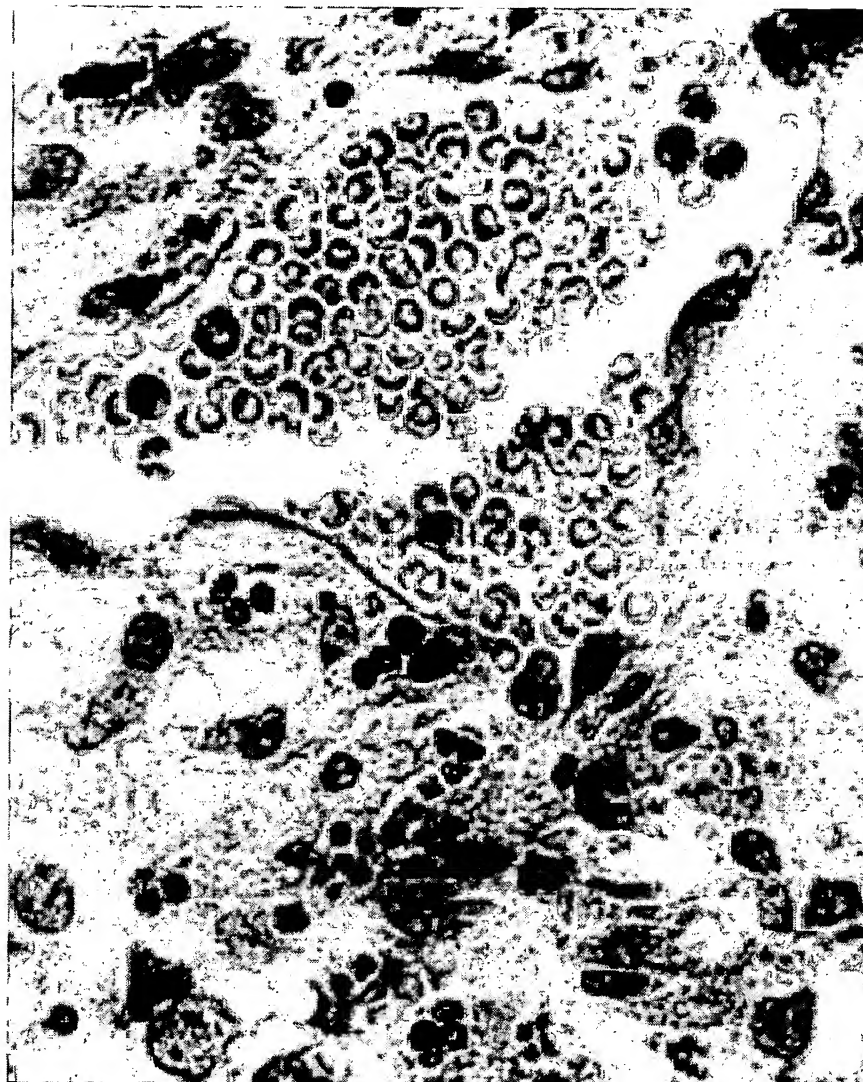
*Fig. 30B*

control

ADH1 (2mg/kg) killed after 5 days



*Fig. 31*



*Fig. 32*



*Fig. 33*





*Fig. 34*

*Fig. 35B*



*Fig. 35D*

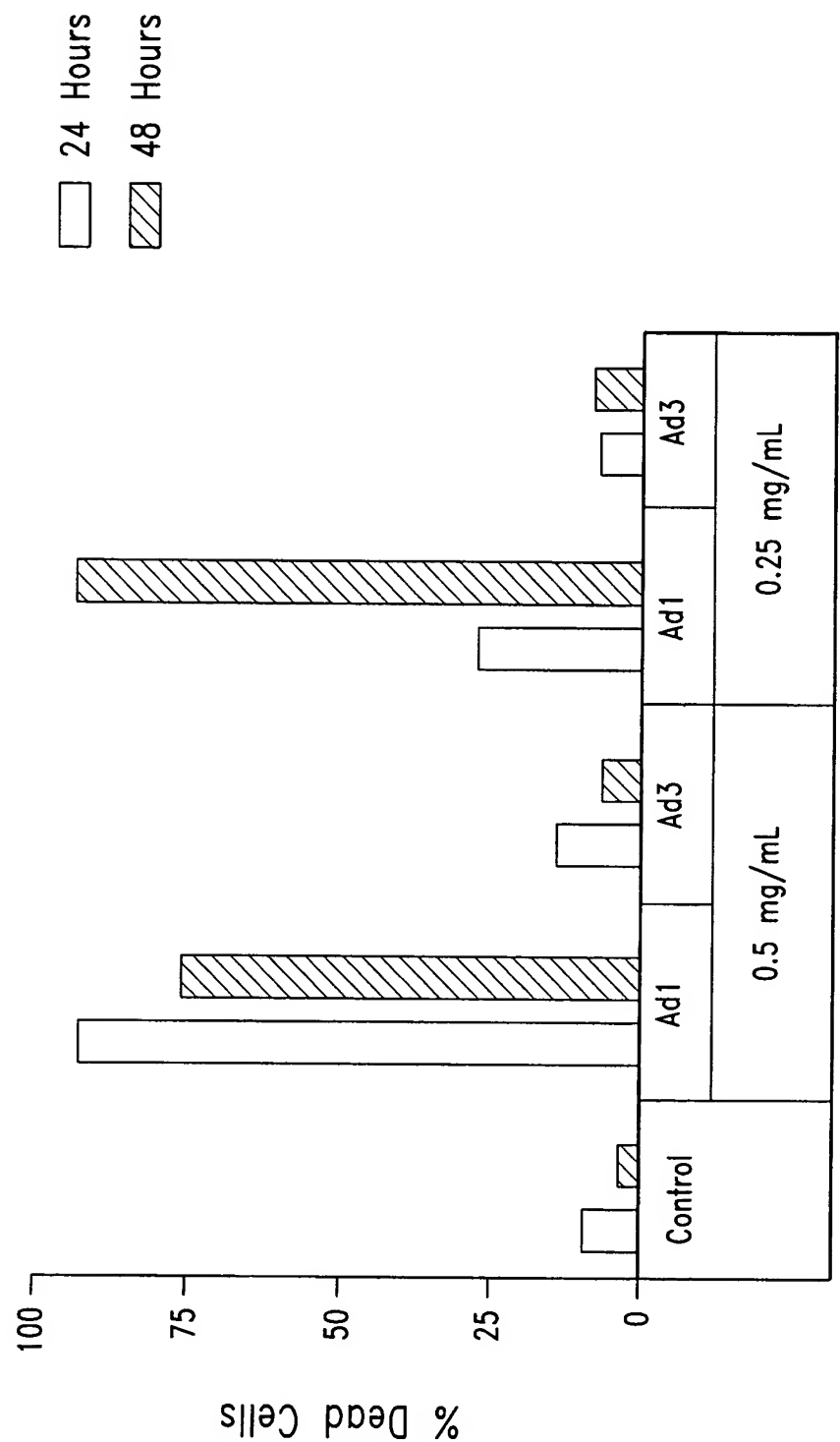


*Fig. 35A*



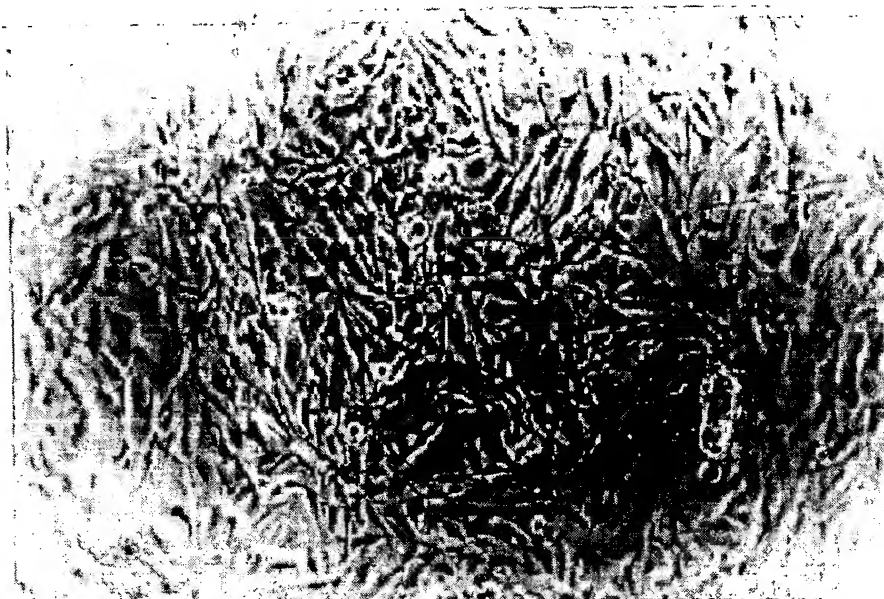
*Fig. 35C*





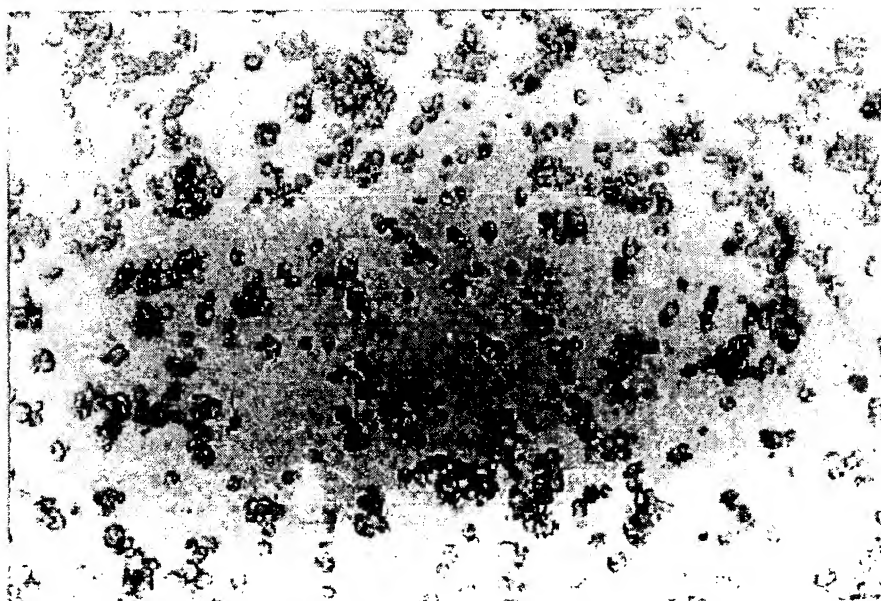
*Fig. 36*

Control



*Fig. 37A*

ADH148 1mg/ml



*Fig. 37B*



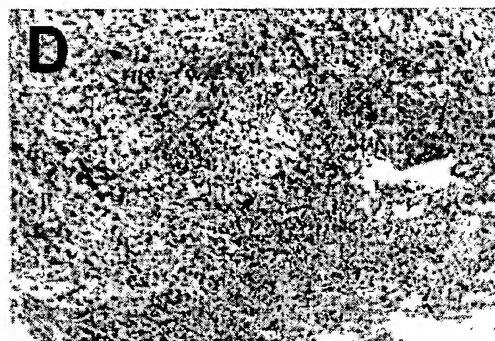
*Fig. 38A*



*Fig. 38B*



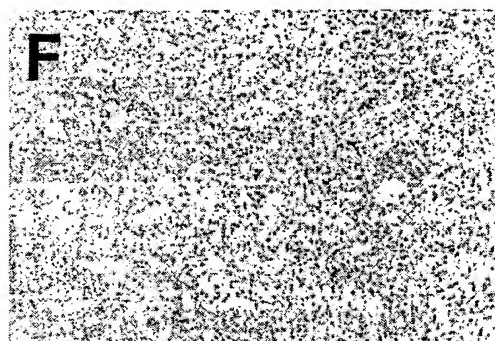
*Fig. 38C*



*Fig. 38D*



*Fig. 38E*



*Fig. 38F*

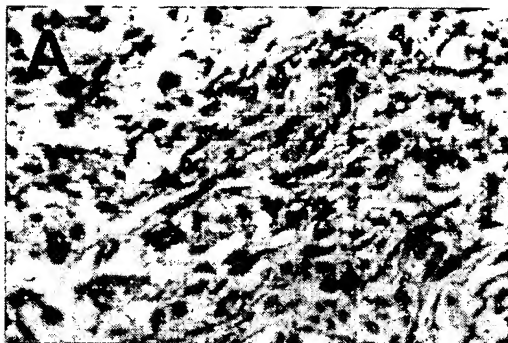


*Fig. 38G*



*Fig. 38H*

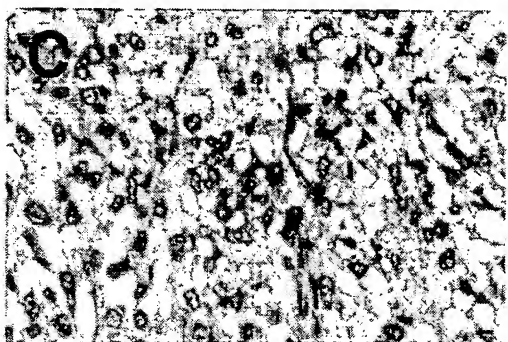




*Fig. 39A*



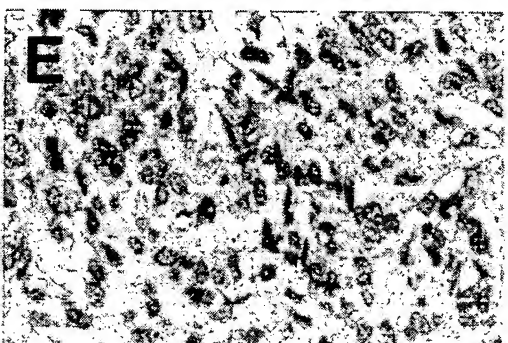
*Fig. 39B*



*Fig. 39C*



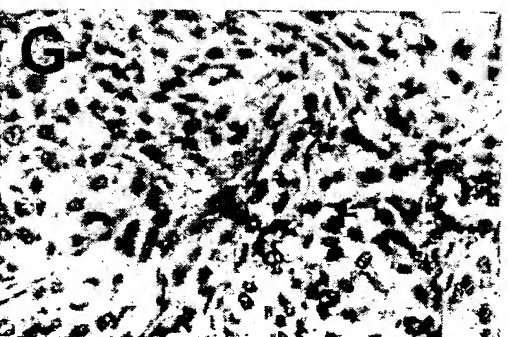
*Fig. 39D*



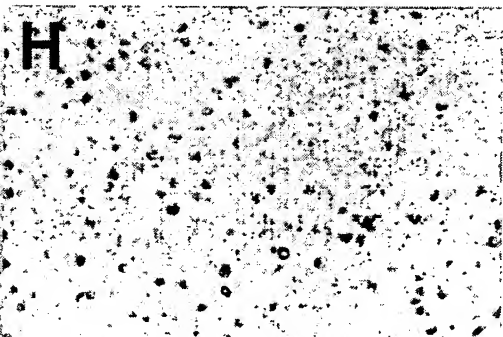
*Fig. 39E*



*Fig. 39F*



*Fig. 39G*



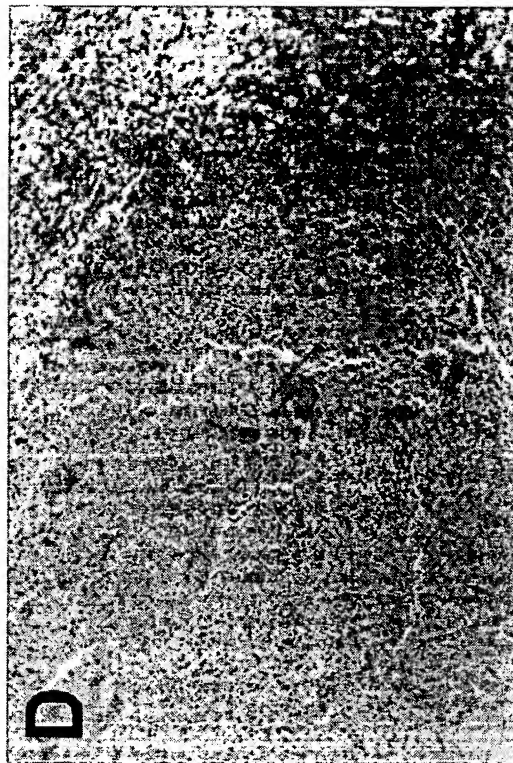
*Fig. 39H*



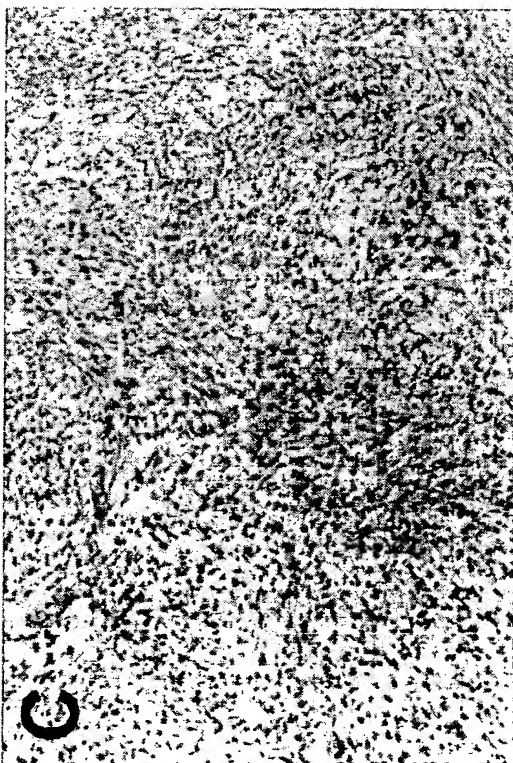
*Fig. 40B*



*Fig. 40A*

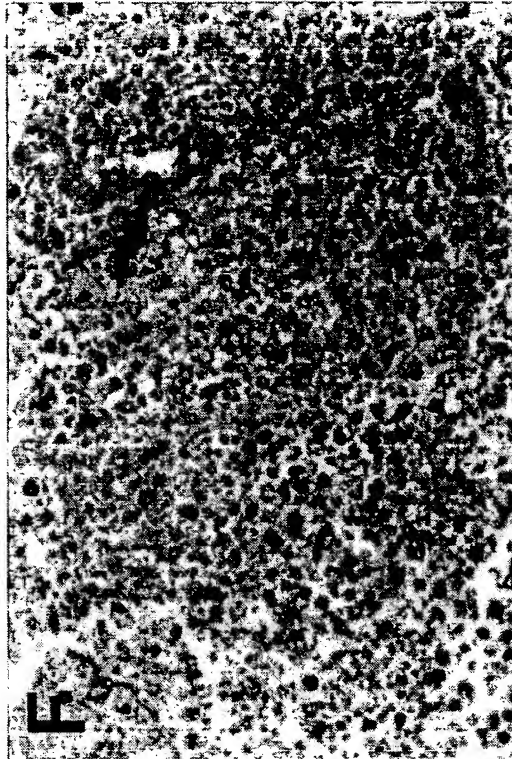


*Fig. 40D*



*Fig. 40C*

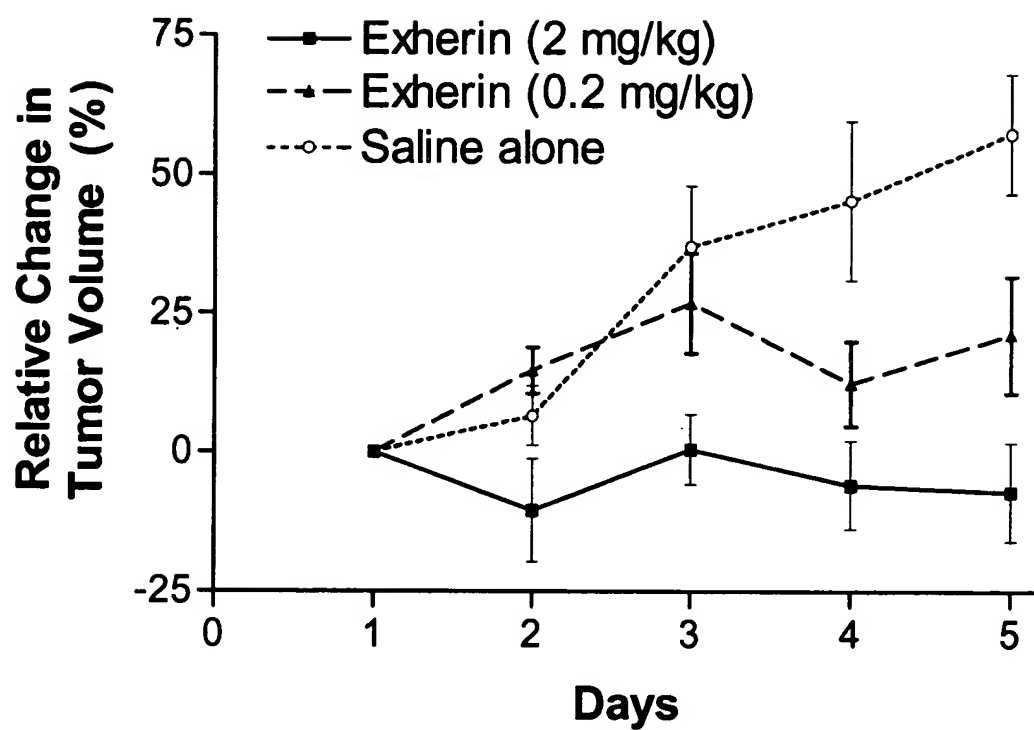




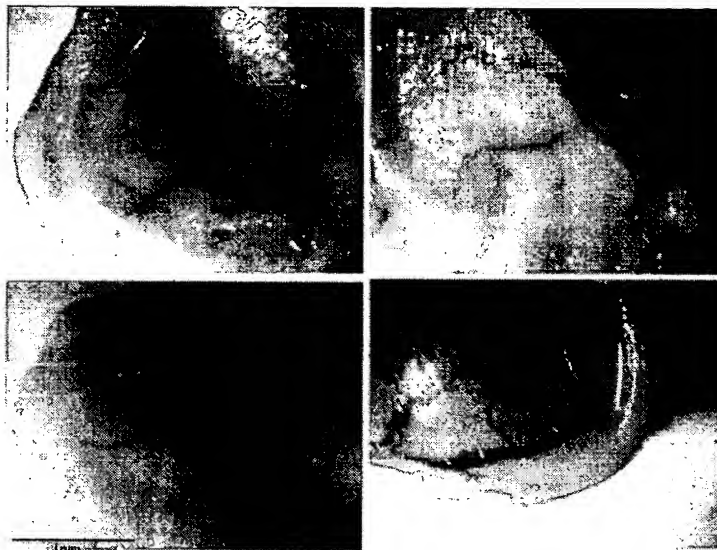
*Fig. 40F*



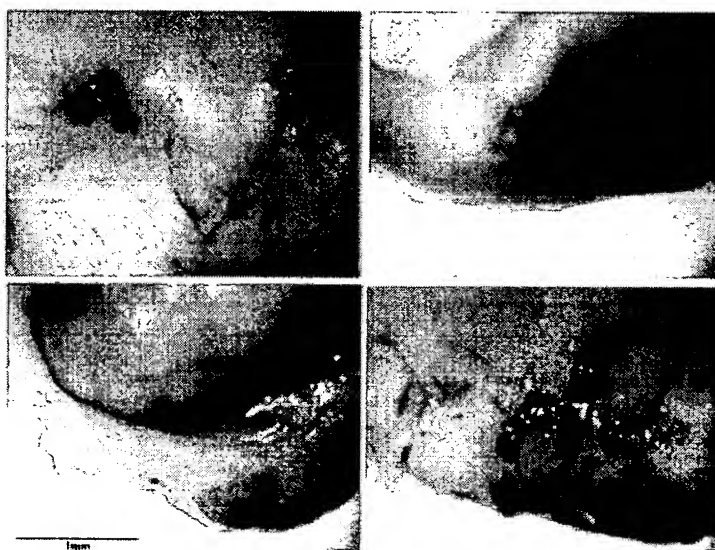
*Fig. 40E*



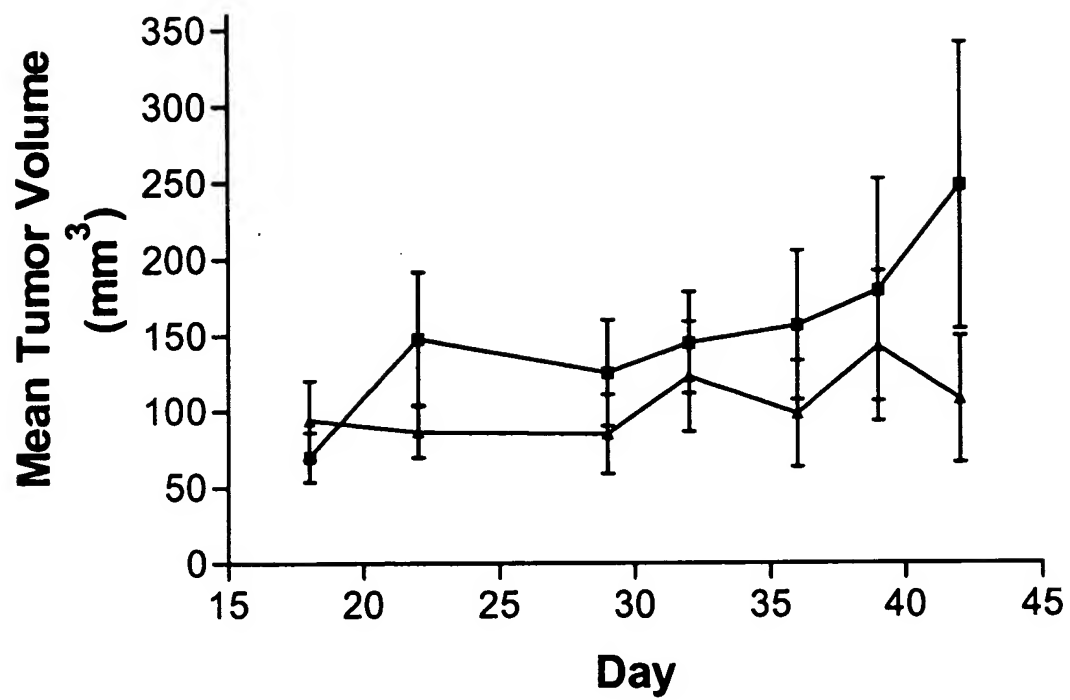
*Fig. 41*



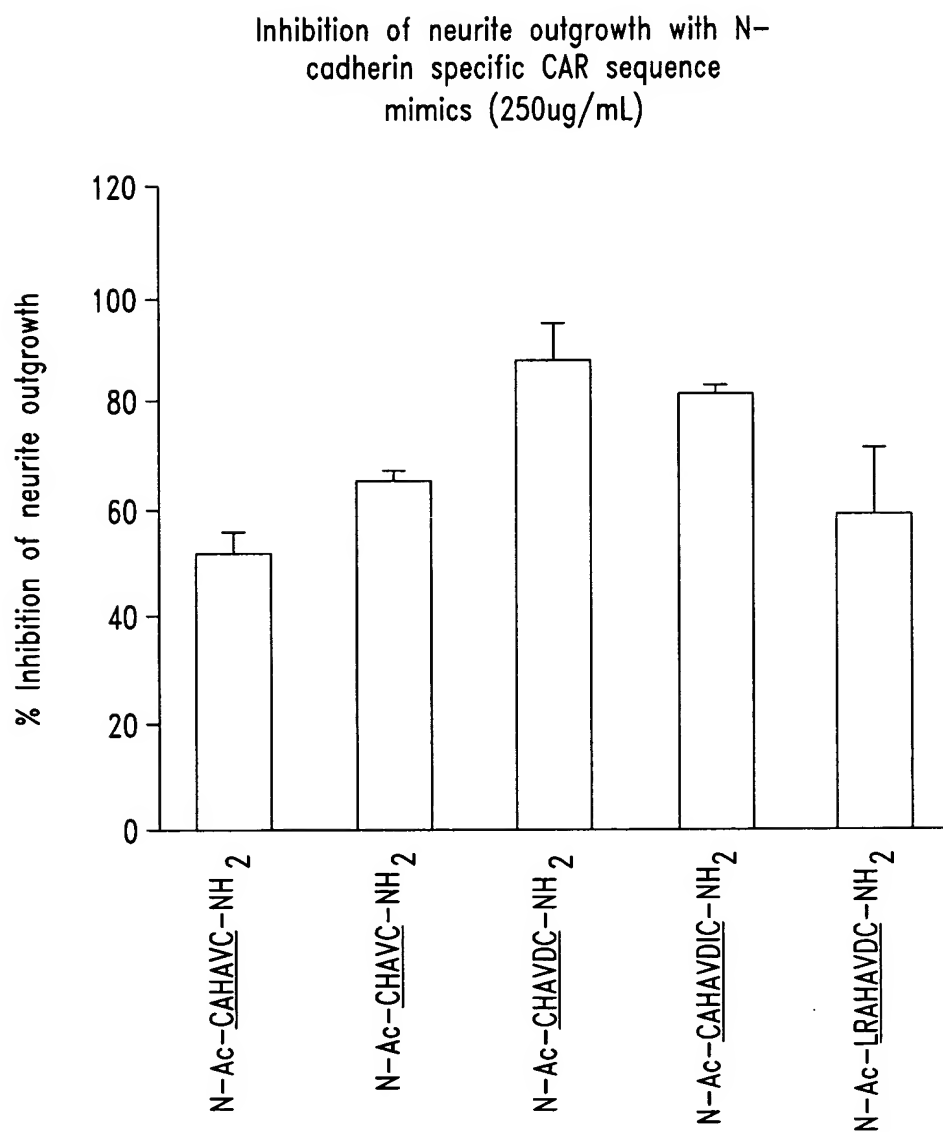
*Fig. 42A*



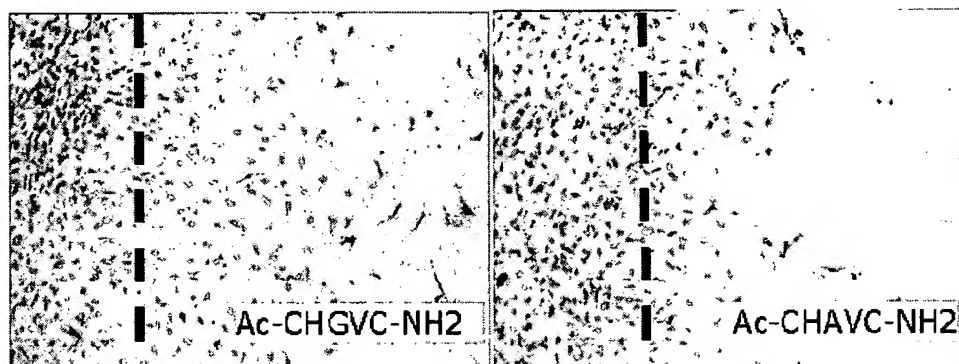
*Fig. 42B*



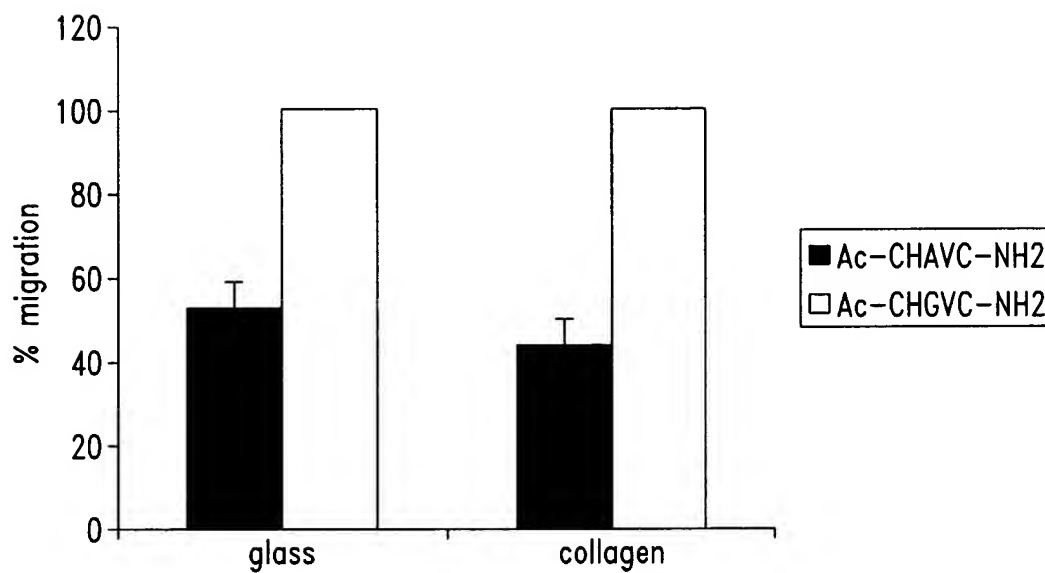
*Fig. 43*



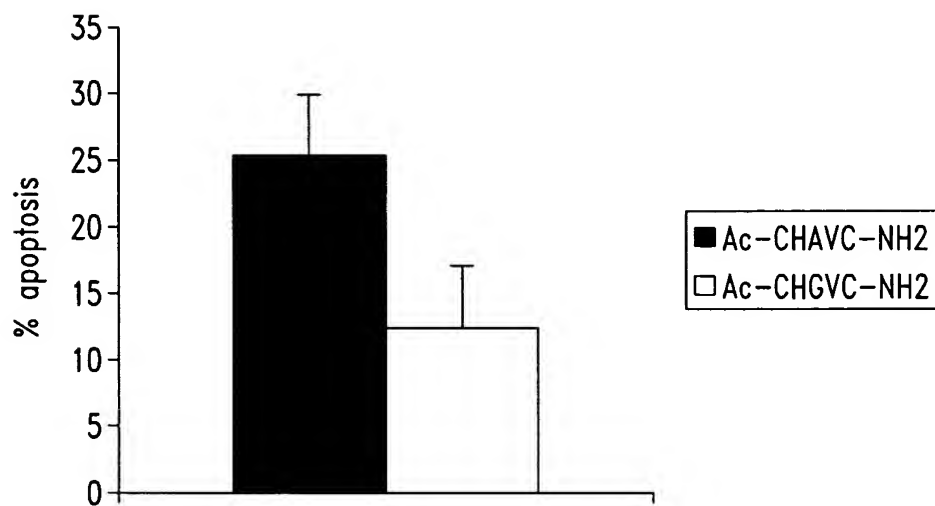
*Fig. 44*



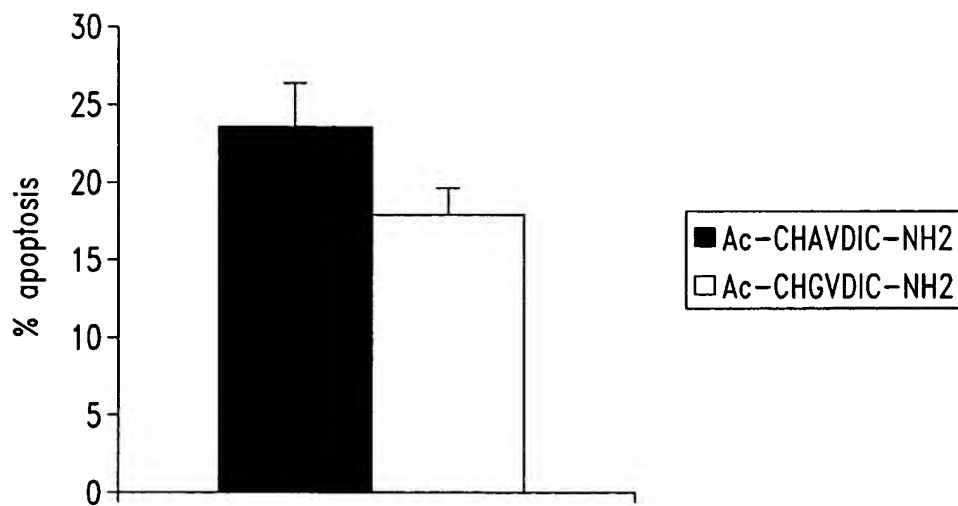
*FIG. 45A*



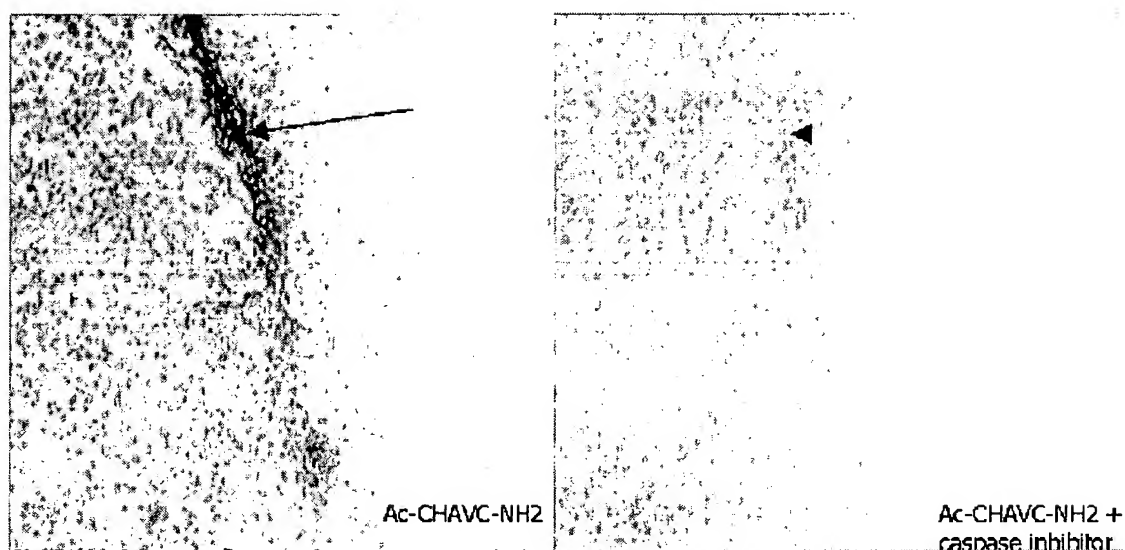
*FIG. 45B*



*FIG. 46A*

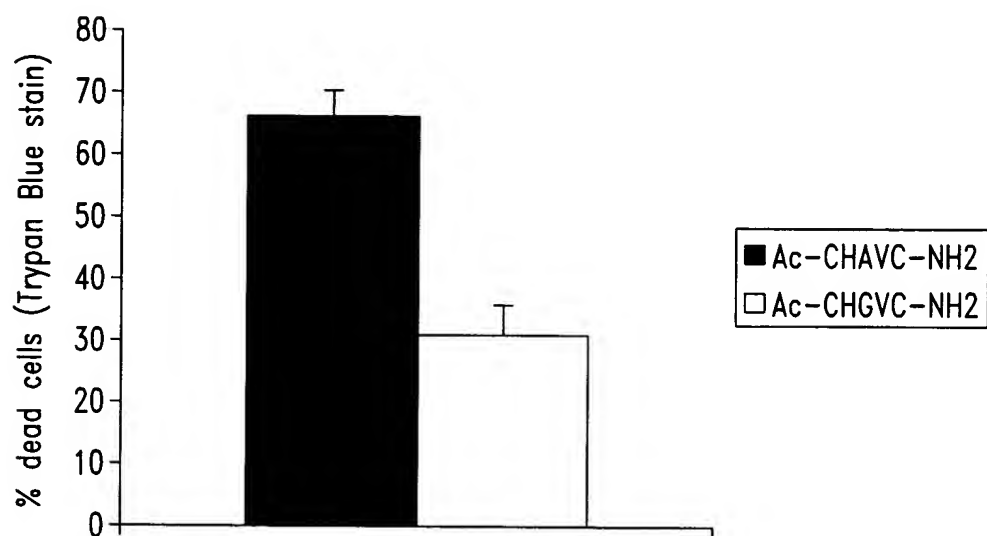


*FIG. 46B*

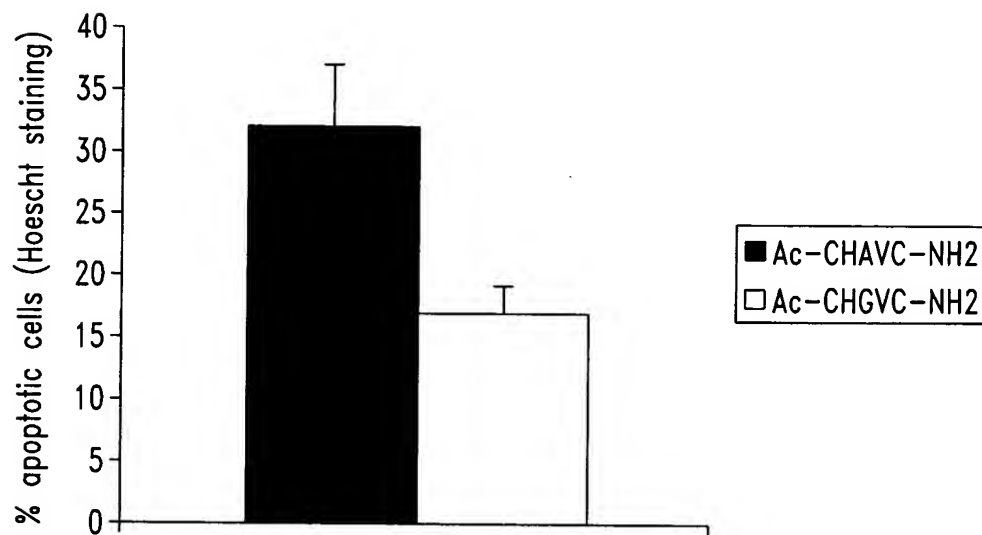


*FIG. 46C*





*FIG. 47A*



*FIG. 47B*